

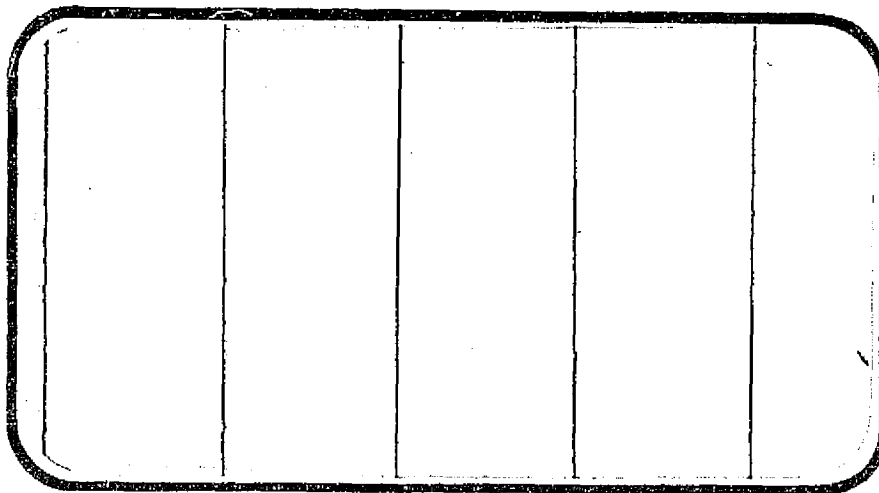
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# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CR-151042) HEAT-TRANSFER TEST RESULTS  
FOR A .0275-SCALE SPACE SHUTTLE EXTERNAL  
TANK WITH A 10 DEG/40 DEG DOUBLE CONE-OGIVE  
NOSE IN THE NASA/AMES 3.5-FOOT HYPERSONIC  
WIND TUNNEL (FH14), VOLUME 2 (Chrysler

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER  
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VOLUME 2 OF 3

HEAT-TRANSFER TEST RESULTS FOR A .0275-SCALE  
SPACE SHUTTLE EXTERNAL TANK WITH A 10°/40°  
DOUBLE CONE-OGIVE NOSE IN THE NASA/AMES  
3.5-FOOT HYPERSONIC WIND TUNNEL (FH14)

by

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Prepared under NASA Contract Number NAS9-13247

by

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Houston, Texas

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SPACE SHUTTLE EXTERNAL TANK WITH A  $10^\circ/40^\circ$   
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ABSTRACT

A .0275-scale forebody model of the new baseline configuration of the Space Shuttle External Tank Vent Cap configuration was tested at NASA-Ames Research Center to verify the theoretical predictions used in the generation of the thermal environments for the  $LO_2$  tank (Reference 1) and to more accurately define the recovery factors for reducing the heat transfer data from test FH13. This relatively large scale model of the lightning rod ( $10^\circ$  semi-vertex cone) located on the vent cap ( $39.38^\circ$  semi-vertex cone) and the 612-inch radius ogive was tested to determine the flow field due to the double cone configuration. The project was performed for the Space Shuttle program by the Marshall Space Flight Center, (MSFC) at Huntsville, Alabama and was test engineered by the Aerothermodynamics Group at Martin Marietta Aerospace (MMA). The tests were conducted in the NASA/Ames 3.5-foot Hypersonic Wind Tunnel at  $\alpha = -5^\circ, -4.59^\circ, 0^\circ, 5^\circ, \text{ and } 10^\circ$ ;  $\beta = 0^\circ, -3^\circ, -5.51^\circ, -6^\circ, -9^\circ, \text{ and } +6^\circ$ ; nominal freestream Reynolds numbers per foot of  $1.5 \times 10^6, 3.0 \times 10^6, \text{ and } 5.0 \times 10^6$ ; and a nominal Mach number of 5.

## ABSTRACT (Concluded)

This data report is a compilation of all the necessary information to use, understand, or qualify the Ames data for any subsequent analytical studies with respect to heat transfer phenomena in and out of the influence of the external hardware. "Hardware" is a simple description of the GOX line fairing, electrical cable trays, GOX line, and supporting brackets.

Separation and reattached flow from thermocouple data, shadowgraphs, and oil flows indicate that separation begins about 80% from the tip of the  $10^\circ$  cone, then reattaches on the vent cap (always for these tests) and produces fully turbulent flow over most of the model forebody. The hardware disturbs the flow over a much larger area ( $\theta \sim \pm 30^\circ$ ) than present TPS application has assumed. A correction to the flow disturbance was experimentally suggested from the results of an additional test run.

This report consists of 3 volumes. Volume 1 contains plotted data-figure pages 1-855, Volume 2 - plot pages 856-1677, and Volume 3 - tabulated data.

## TABLE OF CONTENTS

	PAGE
ABSTRACT	iii
INDEX OF MODEL FIGURES	2
INDEX OF DATA FIGURES	4
NOMENCLATURE	6
INTRODUCTION	9
CONFIGURATIONS INVESTIGATED	12
TEST FACILITY DESCRIPTION	14
INSTRUMENTATION	15
DATA REDUCTION	16
DISCUSSION	19
REFERENCES	21
TABLES	
I. TEST CONDITIONS	22
II. DATA/SET RUN NUMBER COLLATION SUMMARY	23
III. THERMOCOUPLE LOCATIONS	26
IV. OIL FLOW PHOTO SUMMARY	27
FIGURES	
MODEL	28
DATA	
VOLUME 1 (Plot pages 1-855)	47
VOLUME 2 (Plot pages 856-1677)	47
APPENDIX	
TABULATED SOURCE DATA	47
VOLUME 3	

# INDEX OF MODEL FIGURES

Figures	Title	Page
1.	General Arrangement, External LO <sub>2</sub> Tank	28
2.	Photograph of Model Installed in NASA/Ames 3.5-foot Hypersonic Wind Tunnel	29
3.	Three-Quarter Frontal View of .0275 Scale Cone-Ogive Model	30
4.	Three-Quarter Rear View of .0275 Scale Cone-Ogive Model	31
5.	Close-up View of .0275 Scale Cone-Ogive Model Nose and External Hardware	32
6.	a. Oil Flow Pattern at $\alpha = -4.59^\circ$ , $\beta = -5.51^\circ$ , $Re_\infty/ft = 1.5 \times 10^6$ , Run 25	33
	b. Oil Flow Pattern at $\alpha = -4.59^\circ$ , $\beta = -5.51^\circ$ , $Re_\infty/ft = 5.0 \times 10^6$ , Run 26	34
7.	a. Oil Flow Pattern Around Brackets 1 thru 5; $\alpha = \beta = 0^\circ$ , Run 33	35
	b. Oil Flow Pattern Around Brackets 7 thru 11; $\alpha = \beta = 0^\circ$ , Run 33	36
	c. Oil Flow Pattern Around Brackets 3 thru 11; $\alpha = \beta = 0^\circ$ , Run 34	37
8.	a. Oil Flow Pattern Around Brackets 1 thru 7; $\alpha = -5^\circ$ , $\beta = 0^\circ$ , Run 35	38
	b. Oil Flow Pattern Around Brackets 8 thru 11; $\alpha = -5^\circ$ , $\beta = 0^\circ$ , Run 35	39
9.	a. Oil Flow Pattern Around Brackets 8 thru 10; $\alpha = 0^\circ$ , $\beta = -6^\circ$ , Run 36	40
	b. Oil Flow Pattern Around Brackets 1 thru 5; $\alpha = 0^\circ$ , $\beta = -6^\circ$ , Run 36	41

# INDEX OF MODEL FIGURES (Concluded)

Figures	Title	Page
10.	a. Oil Flow Pattern Around Brackets 7 thru 10; $\alpha = 0^\circ$ , $\beta = 6^\circ$ , Run 37	42
	b. Oil Flow Pattern Around Brackets 1 thru 5; $\alpha = 0^\circ$ , $\beta = 6^\circ$ , Run 37	43
11.	a. Oil Flow Patterns Around Faired Brackets 6 thru 10; $\alpha = \beta = 0^\circ$ , Run 38	44
	b. Oil Flow Patterns Around Faired Brackets 1 thru 4; $\alpha = \beta = 0^\circ$ , Run 38	45

# INDEX OF DATA FIGURES

INDEX OF DATA FIGURES				
FIGURE NUMBER	TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGES
<u>VOLUME 1</u>				
12	EXTERNAL PROTUB. AREA HI/HU (ALPHA = XX, BETA = XX FOR HU)	CONFIG., MACH, HAW/HT,DY/L, ALPHA,BETA,RN/L	A	1-351
13	EXTERNAL PROTUB. AREA HI/HU (ALPHA = 0, BETA = 0 FOR HU)	CONFIG.,HAW/HT, DY/L,ALPHA,BETA		352-675
14	TANK FOREBODY HI/HU (ALPHA = XX, BETA = XX FOR HU)	CONFIG., MACH, HAW/HT,THETA, ALPHA,BETA,RN/L		676-855
<u>VOLUME 2</u>				
14	TANK FOREBODY HI/HU (ALPHA = XX, BETA = XX FOR HU)	CONFIG.,HAW/HT, THETA,ALPHA,BETA	A	856-1065
15	TANK FOREBODY HI/HU (ALPHA = 0, BETA = 0 FOR HU)	CONFIG.,HAW/HT, THETA,ALPHA,BETA		1066-1425
16	EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT	MACH, HAW/HT, DY/L, RN/L		1426-1479
17	TANK FOREBODY, REYNOLDS NUMBER EFFECT	MACH, HAW/HT, THETA,RN/L		1480-1539
18	EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS	HAW/HT,DY/L, RN/L		1540-1566
19	TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS	HAW/HT,THETA,RN/L		1567-1596



# INDEX OF DATA FIGURES (Concluded)

FIGURE NUMBER	TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGES
20	EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY	HAW/HT,DY/L	A	1597-1623
21	TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY	MACH, HAW/HT THETA, RN/L	A	1624-1677

## PLOTTED COEFFICIENTS SCHEDULE:

A)  $h/h_{ref}$  or  $h_i/h_u$  versus  $x/l$

# NOMENCLATURE

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
b		Thickness of model skin, inches
C		Specific heat of model skin, Btu/lbm-°R
C <sub>0</sub> , C <sub>1</sub> , C <sub>2</sub>		Constants in curve fit for "C" over model wall temperature range
c <sub>p</sub>		Specific heat of air stream (perfect gas value) Btu/lbm-°R
	DY/L	Incremental lateral distance divided by L <sub>ref</sub>
H <sub>aw</sub>	HAW	Adiabatic wall enthalpy, Btu/lbm
H <sub>t</sub> , H <sub>T</sub>	HT	Free-stream total enthalpy, Btu/lbm
H <sub>wi</sub>	HW	Enthalpy based on model wall temperature for given T/C location at initial time, Btu/lbm
h or H	H	Heat transfer coefficient at model wall for given T/C location, lbm/ft <sup>2</sup> -sec
h <sub>i</sub>	HI	Interference (disturbed) heat transfer coefficient, lbm/ft <sup>2</sup> -sec
h <sub>u</sub>	HU	Undisturbed heat transfer coefficient, lbm/ft <sup>2</sup> -sec
h <sub>s</sub> or H <sub>S</sub>	HREF	Stagnation-point heat-transfer coefficient for reference sphere, lbm/ft <sup>2</sup> -sec
h/h <sub>s</sub> (x.xxx), h/h <sub>ref</sub>	H/HREF	Ratio of model heat-transfer coefficient to heat-transfer coefficient of reference sphere for H <sub>aw</sub> /H <sub>t</sub> = x.xxx
L or L <sub>ref</sub>		Model reference length - ft. = 4.229 (L = 1845.53 inches x .0275 = 50.752 inches for FH14)
M <sub>∞</sub>	MACH	Free-stream Mach number
P <sub>∞</sub>	P	Free-stream static pressure, psia

# NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
$P_t$	PT	Free-stream total pressure, psia
$\dot{q}_i$	QDOT	Heat transfer rate at model wall for given T/C location at initial time, Btu/ft <sup>2</sup> -sec. $\dot{q}_i = h(H_{aw} - H_{wi})$
$\dot{q}_s$	QREF	Stagnation point heat-transfer rate for reference sphere at initial time, Btu/ft <sup>2</sup> -sec. $\dot{q}_s = h_s (H_t - H_{wi})$
$R_s$	RS	Reference sphere radius at model scale equivalent to 0.3048 meters (1.0 ft) for a full scale vehicle. $R_s = .0275$ ft for FH14.
$Re_\infty/\text{ft}$	RN/L	Free-stream Reynolds number $\times 10^6$ per foot
$Re_{\infty L}$ or REL		Free-stream Reynolds number based on model reference length L.
RUN	RUN	Run number
SCALE	SCALE	Scale value (.0275 for FH14)
$St$ (x.xxx)	STN NO	Stanton number based on free-stream flow conditions and model heat-transfer coefficient for $H_{aw}/H_t = x.xxx$ .
T	T	Temperature, °R
$T_t$	TT	Free-stream total temperature, °R
$T_{wi}$	TW	Model wall temperature for given T/C location at initial time, °R
T/C	T/C NO	Thermocouple
t	TIME	Time, sec
$t_i$		Initial time (before model insertion into flow) extrapolated from $f(T_w)$ vs time, sec
u	V	Velocity, ft/sec

# NOMENCLATURE (Concluded)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
W		Density of model skin material, lbm/ft <sup>3</sup>
X <sub>m</sub>		Model distance from theoretical tip of 10° cone (STA. 322.5 on EXTERNAL TANK SYSTEM), in.
x/ℓ or X/Lref	X/L	Longitudinal distance in Shuttle External Tank coordinate system, X/Lref = X <sub>m</sub> /Lref - .0027, in.
X, X <sub>T</sub>	XT	Longitudinal distance in Shuttle External Tank coordinate system, in.
Y	Y	Lateral distance from X-Z plane, positive to right, in.
Z	Z	Vertical coordinate from ET axis of symmetry, in.
<u>GREEK SYMBOLS</u>		
α	ALPHA	Angle-of-attack, degrees
β	BETA	Angle-of-sideslip, degrees
θ	THETA	Angular position of T/C measured clockwise viewing forward; top meridian θ = 0°, degrees
μ		Viscosity of air
τ		Aerodynamic shear stress
ρ	RHO	Density of air
<u>SUBSCRIPTS</u>		
aw	AW	Adiabatic wall
i		Initial value before model insertion into tunnel flow
PG		Perfect gas (Calorically and thermally perfect gas)
s		Reference sphere or stagnation value
t, T		Free-stream total condition
w		Model wall value
∞		Free stream condition

## INTRODUCTION

The new baseline External Tank (ET) vent cap and lightning rod (Figure 1) requires a relatively large scale model to measure the resulting flow field and its effect on the LO<sub>2</sub> tank, which is the ogive portion of the ET. The Thermal Protection System (TPS) and insulator used on the ogive is sprayed on foam insulator (SOFI) that is sensitive to heat flux ( $\dot{q}$ ) and shear ( $\tau$ ) due to aerothermodynamic phenomena during ascent. Previous test data, reference 1, indicated that the  $\dot{q}$ ,  $\tau$  theory, in general, was valid, but difficulties with low total enthalpy, model injection rates, and recovery factors left some uncertainties. This new thin-skin model, tailored for the NASA-Ames 3.5-foot Hypersonic Wind Tunnel capabilities, closely matched full-scale Mach and Reynolds numbers and produced data that resolve the aforementioned uncertainties. Interference heating and flow fields due to the external hardware were also investigated using thermocouple (T/C) arrays, shadowgraphs, and surface oil-flow patterns.

The test objectives are outlined below:

- A. Determine heat flux downstream of the 10°/40° cone junction where separation and reattachment shocks occur. (These locations were readily established from the thermocouple data and oil flow patterns.)
- B. Measure turbulent heat transfer data on the surface acreage of the ET model at flow conditions that simulate those experienced by the ET during peak ascent heating. (Natural transition to

turbulent flow occurred on the model conical nose section and no boundary layer trips were needed to artificially trip the boundary layer.)

- C. Measure surface heat transfer in the vicinity of the LO<sub>2</sub> tank "hardware" (GO<sub>2</sub> pressure line, electrical cable tray, frontal fairing, and support brackets, Figure 1) to determine protuberance heating factors on these adjacent surfaces.
- D. Use oil flow techniques to determine the extent of interference due to the hardware on the LO<sub>2</sub> tank surface acreage. When oil-flow patterns showed extensive flow disturbance due to the brackets supporting the trays, etc. a filler of balsa and dental cement was applied to streamline the flow around the hardware. Subsequent results indicated the extent of the disturbance was reduced (see Figures 7 thru 11).
- E. Determine Reynolds number and angle-of-attack effects on flow separation. External-hardware interference heating was obtained from T/C data at  $Re_{\infty}/ft = 1.5 \times 10^6$ ,  $3.0 \times 10^6$ , and  $5.0 \times 10^6$  for  $\alpha = \beta = 0^\circ$ ; oil-flow patterns were obtained at  $Re_{\infty}/ft = 1.5 \times 10^6$  and  $5.0 \times 10^6$  only.)
- F. Determine the effect of the ogive aft body removal on forebody data in hypersonic flow.

- G. Determine heating rates on the  $GO_2$  line fairing. Three T/C's placed on the forward ramp gave the expected high heat rates. A fourth T/C on the small section parallel to the local surface always gave the same heat rate as the local undisturbed surface.
- H. Conduct tests at both positive and negative  $\beta$ . Previous procedures in Shuttle ET testing did not consider the effects of  $\pm\beta$  on the interference heating for the ET external hardware that is asymmetric with the tank X-Z plane. Therefore, matching runs were made at  $\alpha=0$  and  $\beta=\pm 6^\circ$  to determine these effects.

Mr. W. K. Lockman, Ames Research Center, is acknowledged for his technical assistance applicable to data and applicable to the preparation of this report.

## CONFIGURATIONS INVESTIGATED

The heat flux model was a .0275-scale model of the  $10^\circ/40^\circ$  cone ogive section of the ET to the ogive/cylinder tangency point with a diameter of 9.19 inches and a total length of 12.04 inches.

The forebody of the model was a continuous, machined 304 stainless steel thin-skin shell from  $x_m = 0$  to 7.48 inches. The shell was finished to a uniform thickness of  $b = .030 \pm .0005$  inches and the external surface was polished to less than 32 microns, RMS. The  $10^\circ$  cone was hollowed out with a cone tipped #41 (.096 dia.) drill for .080 inches to maintain its structural integrity, but not to compromise with heat capacity and conductivity of the first T/C's on the vent cap area at .10 inch from the  $10^\circ/40^\circ$  cone junction. The main loads were carried to the sting through a plate upon which the forebody rear flange was attached. The aft body, from  $x_m = 7.40$  to 12.04 inches was match-machined and polished in place with the forebody. The sting plate was attached to the sting with numbered and lettered holes to obtain the desired  $\alpha$  and  $\beta$  combinations for the test.

The model sting was attached to the Ames sting adapter by insertion into a 4-inch section of the sting adapter and secured using a bolted flange with 8 bolts. One  $90^\circ$  roll configuration was performed at this roll point to obtain runs at  $\alpha = 0$ , with  $\beta$  variable.

The external hardware (Figure 1) was a strip of slotted stainless steel, screwed to the thin skin from the outside into tapped holes or nuts epoxied to the underside of the skin. Each #80 flat head screw



### CONFIGURATIONS INVESTIGATED (Concluded)

passed through each glass phenolic bracket simulator. The G02 fairing was welded to the tray and cantilevered over the skin without touching it, to avoid conduction errors (Figures 3 thru 5).

A boundary layer trip was used on Runs 7 and 8 only and, although it tripped the flow, it was unnecessary, since natural transition occurred in the vent cap area. The three-dimensional trip was achieved by tightly twisting, under tensile load, two .010-inch diameter (30 gage) bare constantan T/C wires and spot welding this around the vent cap at  $x_m = 1.25$  inches. This permitted a secure trip, minimum contact with the surface and with the upper and lower gaps around the twisted wire, put a uniform, consistent 3-dimensional vortex sheet character to the downstream flow.

## TEST FACILITY DESCRIPTION

The NASA-Ames 3.5-foot Hypersonic Wind Tunnel is a closed-circuit, blowdown-type tunnel capable of operating at nominal Mach numbers of 5, 7, and 10 at pressures to 1800 psia and temperatures to 3400°R for run times to four minutes. The major components of the facility include a gas storage system where the test gas is stored at 3000 psia, a storage heater filled with aluminum-oxide pebbles capable of heating the test gas to 3400°R, axisymmetric contoured nozzles with exit diameters of 42 inches for generating the desired Mach number, and a 900,000 ft<sup>3</sup> vacuum storage system which operates to pressures of 0.3 psia. The test section itself is an open-jet type enclosed within a chamber approximately 12-feet in diameter and 40-feet in length, arranged trasversely to the flow direction.

A model support system is provided that can pitch models through an angle-of-attack range of -20 to +20 degrees in vertical plane, about a fixed point of rotation on the tunnel centerline. This rotation point is adjustable from 1 to 5 feet from the nozzle exit plane. The model normally is out of the test stream (strut centerline 37-inches from tunnel centerline) until the tunnel test conditions are established after which it is inserted. Insertion time is adjustable to as little as 1/2 second and models may be inserted at any strut angle.

A high-speed, analog-to-digital data acquisition system is used to record test data on magnetic tape. The present system is equipped to measure and record the outputs from 80 transducers in addition to 20 channels of tunnel parameters.

## INSTRUMENTATION

The thermocouple wire used was Chromel Constantan. The Martin Marietta technicians used 40 gage wire as recommended by the NASA-Ames test engineer to minimize heat conduction down the T/C leads. Their technique was to strip and clean the Teflon coating on the wire with a light application of an alcohol flame. The bare wires were crossed and tack welded in the clean wire zone using a 100 power binocular microscope. The excess wire was trimmed off and the junction, spot-welded to machine-scribed locations on the inner skin. The wire bundles were tacked down to non-instrumented areas to minimize heat conduction errors and inertial loads. The 40-gage wires were spliced to larger 30 gage wire within the model and sealed with heat shrunk Teflon insulators. The leads were routed through the Ames model injection system. The model's 150 T/C's were separated into two groups of 75 each. Six male plugs with 25 paired pins per plug were assembled into a system identified A, B, and C, which was called T/C schedule 1, and D, E, and F, which was called T/C schedule 2 (see Table III).

Three female plugs (25 paired pins each) were assembled and attached to the Ames Reference T/C reference-temperature junction box.

It proved faster to change plugs than to make angular or model changes. There were no plug failures during the 27 plug changes required during the test.

The remaining data acquisition system at Ames is the same as used throughout the Shuttle test program at the NASA-Ames 3.5-foot Hypersonic facility for heat rate measurements.

## DATA REDUCTION

All test data were reduced at the NASA-Ames Research Center using the data-reduction techniques outlined below. The thermocouple data were reduced using the one-dimensional, thin-wall equation:

$$\dot{q} = WCb \frac{dT_w}{dt} = h (H_{aw} - H_w) \equiv hH_t \left( \frac{H_{aw}}{H_t} - \frac{H_w}{H_t} \right) \quad (1)$$

which neglects heat-conduction losses.

Assuming that  $W$  and  $h$  are constant and

$$C = C_0 + C_1 T_w + C_2 T_w^2 \text{ for } T_w \text{ ranges} \quad (2)$$

the integration of equation (1) for  $t = t_i$  to  $t$  and  $T_w = T_{wi}$

to  $T_w$  yields the linear equation:

$$f(T_w) = - \ln \left( \frac{T'_{aw} - T_w}{T'_{aw} - T_{wi}} \right) - \left[ \frac{C_1}{C'_{aw}} + \frac{C_2}{C'_{aw}} \left( T'_{aw} + \frac{T_w + T_{wi}}{2} \right) \right] (T_w - T_{wi}) \\ = \frac{hc_p}{WC'_{aw} b} (t - t_i) \quad (3)$$

where it is defined that:

$$T'_{aw} \equiv \frac{H_{aw}}{c_p} \approx \frac{H_t H_{aw}}{c_p H_t} \geq (T_{aw})_{PG} \quad (4)$$

and

$$C'_{aw} \equiv C_0 + C_1 T'_{aw} + C_2 T'^2_{aw} \quad (5)$$

$\neq$  specific heat at adiabatic wall temperature.

### DATA REDUCTION (Continued)

The form of Equation (3) is  $f(T_w) = mt + a$  where  $m$  is the slope and  $a$  is the intercept for a straight line if heat-conduction errors are negligible. Thus, deviations from a straight line can indicate heat-conduction effects.

The slope,  $m$ , of  $f(T_w)$  vs  $t$  from Equation (3) is computed by a least-squares, straight-line fit over a finite time interval (approximately 1 second) beginning when the model reaches uniform tunnel flow. The value of heat-transfer coefficient,  $h$ , is then determined from:

$$h = \frac{WC'_{aw} b}{c_p} m \quad (6)$$

Using this value of  $h$ , the heat-transfer rate is evaluated at the initial time,  $t_i$ , when the model is isothermal at the initial wall enthalpy,  $H_{wi}$

$$\dot{q} = \dot{q}_i = h (H_{aw} - H_{wi}) \equiv h H_t \left( \frac{H_{aw}}{H_t} - \frac{H_{wi}}{H_t} \right) \quad (7)$$

where  $H_{aw}/H_t$  is the same value used to evaluate  $h$ . The resultant value of  $\dot{q}$  is independent of the value of  $H_{aw}/H_t$  used for both the  $h$  and  $\dot{q}$  evaluations.

The reference sphere heating is also evaluated at the initial wall enthalpy by the method of Fay and Riddell (Reference 4):

$$\dot{q}_s = h_s (H_t - H_{wi}) \equiv h_s H_t \left( 1.0 - \frac{H_{wi}}{H_t} \right) \quad (8)$$

# DATA REDUCTION (Concluded)

The model-to-sphere ratio of heat-transfer coefficients is then determined from Equations (7) and (8) as

$$\frac{h}{h_s} = \frac{\dot{q}_i}{\dot{q}_s} \left( \frac{1.0 - H_{wi}/H_t}{H_{aw}/H_t - H_{wi}/H_t} \right) \quad (9)$$

where  $\dot{q}_i$  is constant for all values of  $H_{aw}/H_t$ .

To determine  $h/h_s$  for various values of  $H_{aw}/H_t$ , the particular value of  $H_{aw}/H_t$  is substituted into Equation (9).

The Stanton number is defined as

$$St \equiv \frac{h}{\rho u} = \frac{\dot{q}_i}{\rho u (H_{aw} - H_{wi})} \quad (10)$$

where for free-stream conditions,  $\rho u = \rho_\infty V_\infty$ .

The calculations of the model heating, reference sphere heating, and Reynolds number included the corrections of NACA report 1135 (Reference 5) for calorically imperfect, thermally perfect air. Keyes equation for viscosity (see Reference 6) was also used for the sphere heating and Reynolds number computations:

$$\mu = \frac{0.0232 \times 10^{-6} T^{0.5}}{1 + \frac{220}{T} \times 10^{-9/T}} \quad (11)$$

where the units for  $T$  and  $\mu$  are  $^\circ R$  and  $lb\text{-sec}/ft^2$ , respectively.

## DISCUSSION

### Thermocouple Data

General observations which can be gleaned from studying the plotted data are that at  $\alpha = \beta = 0^\circ$  the peak heating moves forward from  $X_{PI} = .8$  to .7 inches as unit Reynolds No. ( $Re_\infty/ft$ ) increases. The size of the separation zone around the  $10^\circ/40^\circ$  cone junction becomes smaller and the shock turning after separation moves forward, and yields a higher heating ratio. The tendency for the low  $Re/ft$  flow to remain laminar is more pronounced than at high  $Re/ft$ . With increased  $Re_\infty/ft$  there is a general increased level of  $H/H_{REF}$  as well as the heat factors obtained by dividing the disturbed data by the "undisturbed" data at the same model surface location. This spread of the various "disturbed" data is more than on a clean model and can be explained somewhat by the oil flow tests where it appears that the forward GOX fairing and brackets disturb more of the ogive flow field than previously believed.

There is no attempt made on the figures to identify the proximity of the T/C's to the brackets and fairings, but by using Table III to locate the T/C, it appears that upstream and close to the bracket is the highest  $h_i/h_u$ , rather consistently. There was no noticeable heat change apparent on the forebody data due to the presence of the afterbody. On the afterbody itself, data on the upper and lower meridians showed little influence due to  $\beta$  and only a small effect due to Reynolds number.

Although not shown in this report, these data agree favorably with test results from FH13 (reference 1) and the theoretical results from reference 7.

## DISCUSSION (Concluded)

### Oil Flow Analysis

A total of 7 runs were made using a viscous oil to visualize the flow over the model. Table IV summarizes the conditions of each run with the actual photographs given as Figures 6 through 11.

The oil solution used was a viscous mixture of titanium dioxide ( $\text{TiO}_2$ ) (white) in a vehicle of vacuum pump oil and oleic acid. It was dabbed on the model with a textured towel to provide a uniform distribution. The model was injected into the flow for one second only. The 16 mm colored movies of the model taken from above or on the right side indicated negligible change as the model passed through the open-jet boundary layer. The separation zone at the  $10^\circ/40^\circ$  cone junction for these test conditions demonstrated that the tip of the  $10^\circ$  cone can be ported for an AADS wind vector system and reattachment is never downstream of the vent cap ( $40^\circ$  Cone) ogive junction, showing that the new nose design is up to Aerothermodynamic expectations.



## REFERENCES

1. "Data Report for the Supersonic Heat Transfer and Pressure Test (FH-13) of the .0478 Scale ET Double Cone Nose and Ogive in the AEDC-VKF Tunnel "A" Facility," H. R. Carroll, MMC-ET-SE05-65, October, 1975.
2. "Pretest Information for the Heat Transfer Test FH-14 on a .0275 Scale ET 10°/40° Double Cone Nose and Ogive in the Ames 3.5' Hyper-sonic Wind Tunnel (HWT) Facility", H. R. Carroll, Memo 3552-76-07, February, 1976.
3. "Test Planning Information for the NASA-Ames 3.5' HWT", Ames Staff, Experimental Fluid Dynamics Branch, December, 1972.
4. "Theory of Stagnation Point Heat Transfer in Dissociated Air", Fay, J. A. and Riddell, F. R., J. Aeron, Sci., Vol. 25, No. 2, February, 1958.
5. "Equations, Tables, and Charts for Compressible Flow", Ames Research Staff, NACA Report 1135, 1953.
6. Comment on "Viscosity of Air", Bertram, Mitchell H., J. Spacecraft and Rockets, Vol. 4, No. 2, February, 1967, pp 287-288.
7. "Nonequilibrium Chemistry Boundary Layer Integral Matrix Procedure", Aerotherm Report VM-73-37, July, 1973.
8. "Ascent Heating Environment Induced by Mission 3A-AOA Trajectory on the ET Double-Cone Forebody Configuration", H. R. Carroll, et al, MMC-ET-SE05-35, August, 1975.

TABLE I.  
TEST CONDITIONS

The test conditions requested in Reference 2 (in accordance with Reference 3) were essentially met for the nominal Mach and Reynolds numbers,  $\alpha$  and  $\beta$  excursions. Basic undisturbed flow heating coefficients ( $h_u$ ) were obtained for corresponding interference heat transfer coefficients ( $h_i$ ). The run schedule in Reference 2 - Section VII summarizes, in detail, the small changes in the nominal environment from run to run. The nominal test conditions were as follows:

$T_t \sim ^\circ R$	$P_t \sim \text{PSIA}$	$M_\infty$	$Re_\infty/\text{ft}$
1300.	115	5.2	$1.5 \times 10^6$
1300.	245	5.3	$3.0 \times 10^6$
1300.	405	5.3	$5.0 \times 10^6$

The expected aluminum-oxide particles from the tunnel pebble bed heater caused considerable damage to the frontal areas of the thin-skin model. Some particles were quite deep, and rather than digging out the visible Aluminum Oxide (white), the model was periodically rubbed with crocus cloth to smooth out the raised metal.

The model was on the tunnel centerline approximately one second for virtually all runs, and the temperature rise was well within the data acquisition limits and sensitivity required in both the low and high heating ranges. No data was too low to measure, or lost off scale.

TABLE II.

[illegible]

TABLE II. (Continued)

TEST: F114 (ARC 3.5 - 2.5)		DATA SET/RUN NUMBER COLLATION SUMMARY												DATE: 11/30/76				
DATA SET NO. RUN	CONFIGURATION	SCHD.		PARAMETERS/VALUES												NO. OF RUNS	MACH NUMBERS	
		$\alpha$	$\beta$	H/W	RN/L												5.2	5.3
RNTT16	10°/40° DOUBLE CONE - OGIVE ET FOREBODY	0	0	ON	3.0										1		8	
17	+ B.L. TRIP	0	0	ON	5.0										1		7	
RNTT18	10°/40° DOUBLE CONE - OGIVE ET FOREBODY	-45	-55	OFF	1.5										2	61	59	
19		-5	0		5.0										2		44 43	
20		0	0												2		41 42	
21		5	0												2		45 46	
22		10	0												2		48 47	
23		-45	-55												2		62 60	
24		-5	-3												2		57 58	
25		0	-9												2		56 55	
26		0	-6												2		53 54	
27		0	-3												2		52 51	
28		0	6												2		49 50	
29		5	-6												2		63 64	
30		10	-6												2		66 65	
RNTT31	AFT SECTION REMOVED	10	0	OFF	1.5										1	67		
32		10	0	OFF	5.0										1		68	

17131925313743495561677576

COEFFICIENTS

$\alpha$  OR  $\beta$

SCHEDULES

IDVAR (1)

IDVAR (2)

NDV

TABLE II. (Concluded)

[illegible]

\*NOTES: (1) RUNS 33-38 WERE SURFACE OIL FLOW RUNS WITH EXTERNAL HARDWARE ON - NO DATA  
(2) RUNS 39,40 NOT INCLUDED - NO USABLE DATA

TABLE III. THERMOCOUPLE LOCATIONS

## Schedule 1

## Schedule 2

Schedule 1				Schedule 2			
T/C	$\theta$	Model X, in.	X/Lref	T/C	$\theta$	Model X, in.	X/Lref
1	0.	.60	.0091	51	135.	1.30	.0229
2	0.	.70	.0111	52	90.	1.40	.0249
3	0.	.80	.0131	53	90.	1.50	.0269
4	0.	.90	.0150	54	90.	1.60	.0288
5	0.	1.00	.0170	55	90.	1.80	.0328
6	0.	1.10	.0190	56	90.	2.00	.0367
7	0.	1.20	.0209	57	90.	2.20	.0406
88	10.	1.30	.0229	58	90.	2.60	.0435
9	0.	1.40	.0249	59	90.	3.00	.0564
89	20.	↓	↓	60	90.	4.00	.0761
10	0.	1.50	.0269	61	90.	5.00	.0958
90	10.	↓	↓	62	90.	6.00	.1155
11	0.	1.60	.0288	23	180.	.60	.0091
91	20.	↓	↓	24	180.	.70	.0111
92	10.	1.70	.0308	25	180.	.80	.0131
12	0.	1.80	.0328	26	180.	.90	.0150
93	20.	↓	↓	27	180.	1.00	.0170
94	10.	1.90	.0347	28	180.	1.10	.0190
13	0.	2.00	.0367	29	180.	1.20	.0209
14	0.	2.20	.0406	30	225.	1.30	.0229
15	0.	2.60	.0485	8	45.	↓	↓
16	0.	3.00	.0564	31	180.	1.40	.0249
17	0.	4.00	.0761	32	180.	1.60	.0288
18	0.	5.00	.0958	33	180.	1.80	.0328
19	0.	6.00	.1155	34	180.	2.00	.0367
44	90.	.60	.0091	35	180.	2.20	.0406
82	31.5	↓	↓	36	180.	2.60	.0485
45	90.	.70	.0111	37	180.	3.00	.0564
83	31.5	↓	↓	38	180.	4.00	.0761
46	90.	.80	.0131	39	180.	5.00	.0958
84 <sup>a</sup>	31.5	.86	.0142	40	180.	6.00	.1155
47	135.	.90	.0150	41 <sup>b</sup>	180.	8.50	.1648
85 <sup>a</sup>	31.5	.95	.0160	20 <sup>b</sup>	0.	↓	↓
48	90.	1.00	.0170	42 <sup>b</sup>	180.	9.50	.1845
86 <sup>a</sup>	31.5	1.03	.0176	21 <sup>b</sup>	0.	↓	↓
49	135.	1.10	.0190	43 <sup>b</sup>	180.	11.00	.2140
87 <sup>a</sup>	31.5	1.12	.0194	22 <sup>b</sup>	0.	↓	↓
50	90.	1.20	.0209				

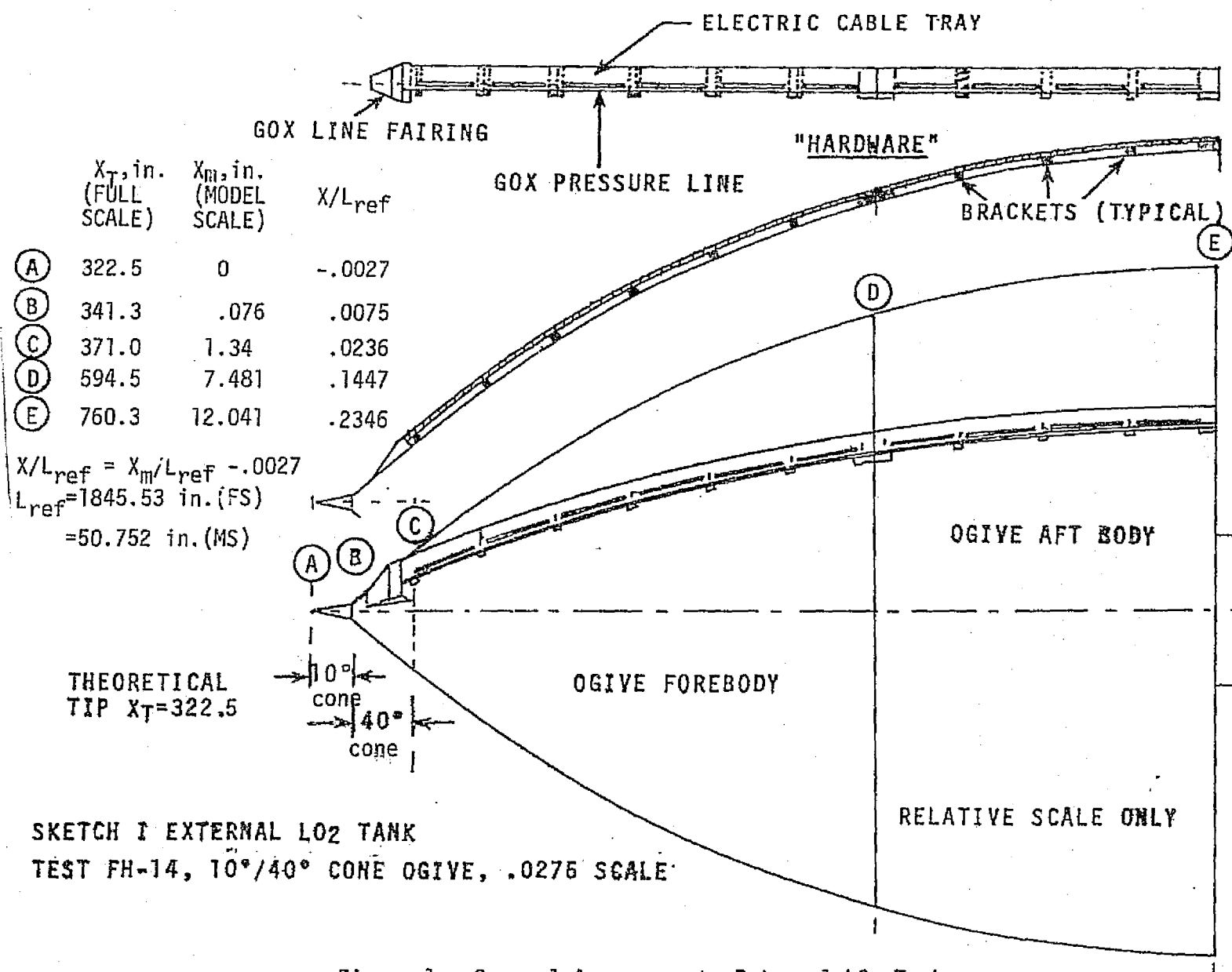
T/C	$\theta$	Model X, in.	X/Lref	T/C	$\theta$	Model X, in.	X/Lref
63	270.0	.60	.0091	114	28.40	2.85	.0535
64	270.	.70	.0111	115	33.0	↓	↓
65	270.	.80	.0131	116	37.6	↓	↓
66	315.	.90	.0150	117	28.7	3.11	.0586
67	270.	1.00	.0170	118	32.9	↓	↓
68	315.	1.10	.0190	119	37.1	↓	↓
69	270.	1.20	.0209	120	23.4	3.16	.0596
70	315.	1.30	.0229	121	28.8	3.20	.0604
71	270.	1.40	.0249	122	32.9	↓	↓
72	270.	1.50	.0269	123	37.0	↓	↓
73	270.	1.60	.0288	124	25.5	3.22	.0607
74	270.	1.80	.0328	125	21.2	3.33	.0623
75	270.	2.00	.0367	126	24.9	↓	↓
76	270.	2.20	.0406	127	40.9	↓	↓
77	270.	2.60	.0485	128	43.6	↓	↓
78	270.	3.00	.0564	129	29.0	3.47	.0657
79	270.	4.00	.0761	130	32.8	↓	↓
80	270.	5.00	.0958	131	36.6	↓	↓
81	270.	6.00	.1155	132	32.7	3.56	.0674
95	33.9	1.85	.0338	133	29.2	3.81	.0724
96	33.7	2.00	.0367	134	32.7	↓	↓
97	33.6	2.08	.0383	135	36.2	↓	↓
98	27.4	2.17	.0401	136	29.3	4.17	.0795
99	33.5	↓	↓	137	32.6	↓	↓
100	39.7	↓	↓	138	35.8	↓	↓
101	19.8	2.21	.0408	139	24.1	4.31	.0822
102	27.6	2.25	.0416	140	26.3	↓	↓
103	33.5	↓	↓	141	38.9	↓	↓
104	39.3	↓	↓	142	41.1	↓	↓
105	23.0	2.27	.0420	143	29.6	4.83	.0925
106	18.5	2.38	.0442	144	32.5	↓	↓
107	22.4	↓	↓	145	35.3	↓	↓
108	44.6	↓	↓	146	33.3	5.21	.100
109	48.4	↓	↓	147	32.4	↓	↓
110	28.0	2.51	.0468	148	35.1	↓	↓
111	33.2	↓	↓	149	27.2	5.35	.1027
112	38.5	↓	↓	150	37.8	↓	↓
113	33.2	2.59	.0483				

a - On fairing

b - On aft section

TABLE IV. OIL FLOW PHOTO SUMMARY

FIG. NO.	RUN NO.	$\alpha$ deg.	$\beta$ deg.	$M_\infty$	$Re_\infty/ft$ ( $\times 10^6$ )	COMMENTS
6a	25	-4.59	-5.51	5.2	1.5	Determine 10°/40° Cone Separation and reattachment patterns. Flow around Exposed Brackets
6b	26	-4.59	-5.51	5.3	5.0	
7a	33	0	0	5.3	5.0	Forebody Brackets 1 thru 5
7b	34	0	0	5.3	5.0	Forebody Brackets 7 thru 11
7c	34	0	0	5.3	5.0	Brackets 3 thru 11
8a	35	-5	0	5.3	5.0	Brackets 1 thru 7
8b		-5	0	5.3	5.0	Brackets 8 thru 11
9a	36	0	-6	5.3	5.0	Brackets 8 thru 10
9b		0	-6	5.3	5.0	Brackets 1 thru 5
10a	37	0	6	5.3	5.0	Brackets 7 thru 10
10b		0	6	5.3	5.0	Brackets 1 thru 5
11a	38	0	0	5.3	5.0	Brackets 6 thru 10 (Faired)
11b		0	0	5.3	5.0	Brackets 1 thru 4 (Faired)

Figure 1. General Arrangement, External LO<sub>2</sub> Tank



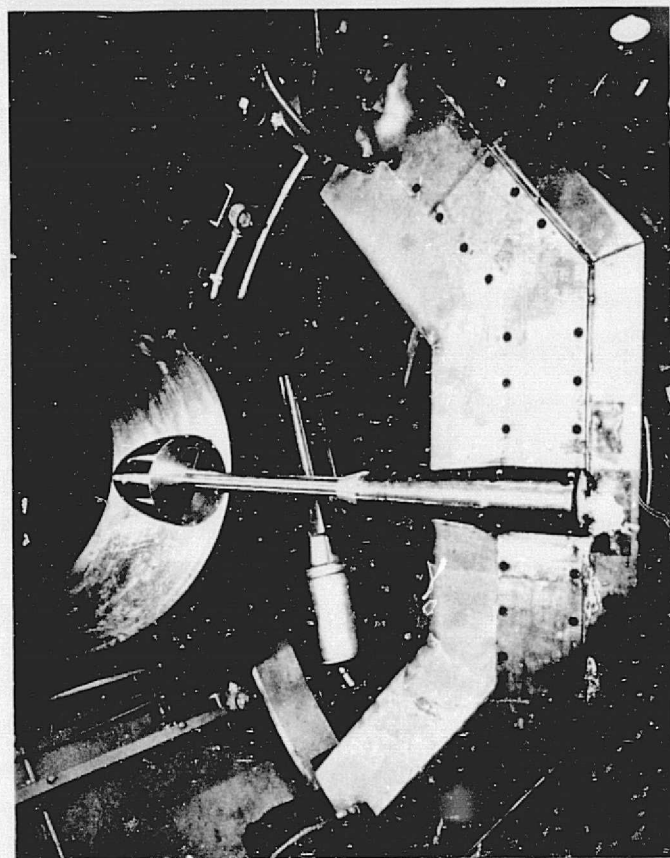


Figure 2. Photograph of Model Installed in NASA/Ames  
3.5-foot Hypersonic Wind Tunnel

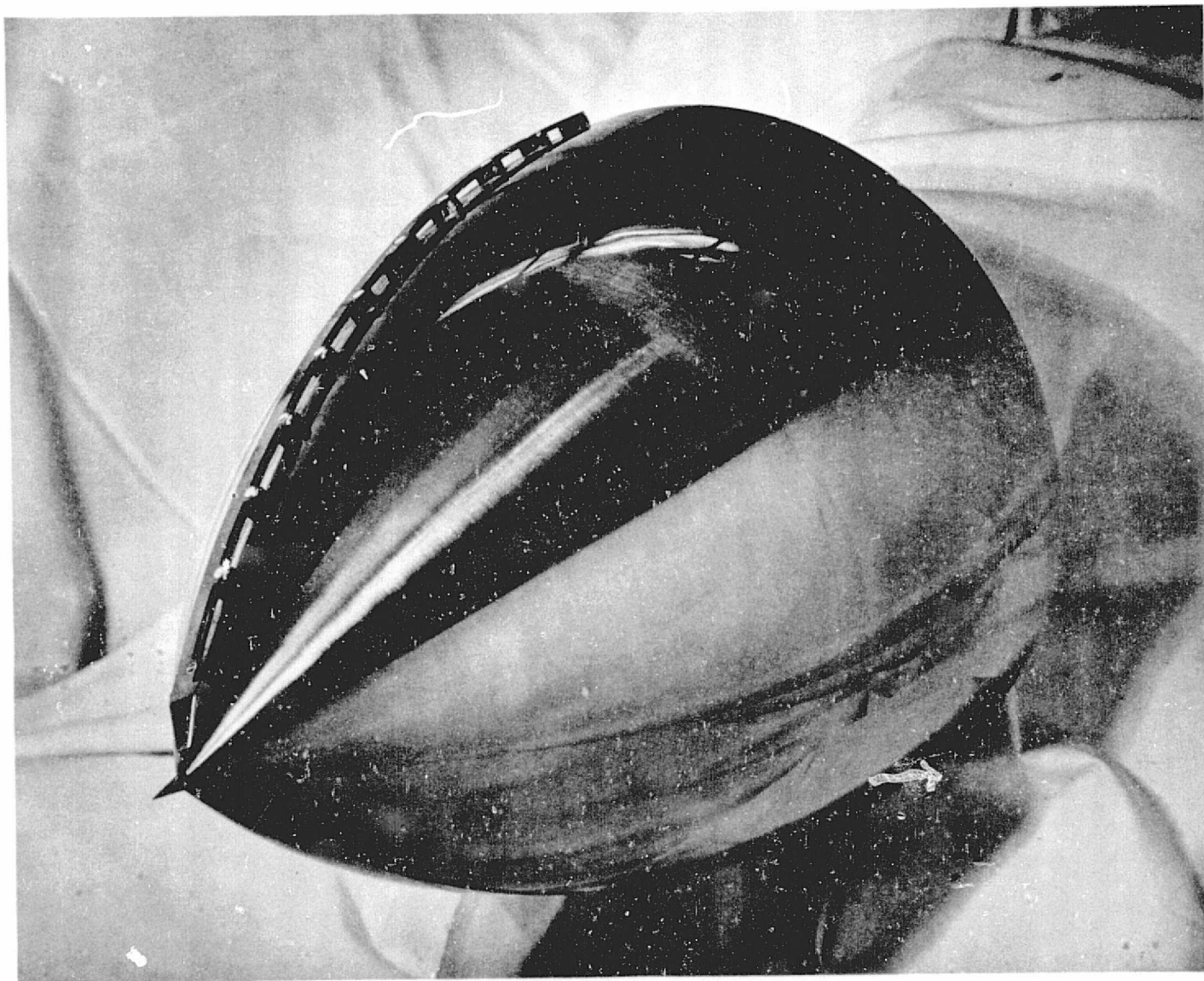


Figure 3. Three-Quarter Frontal View of .0275 Scale  
Cone-Ogive Model

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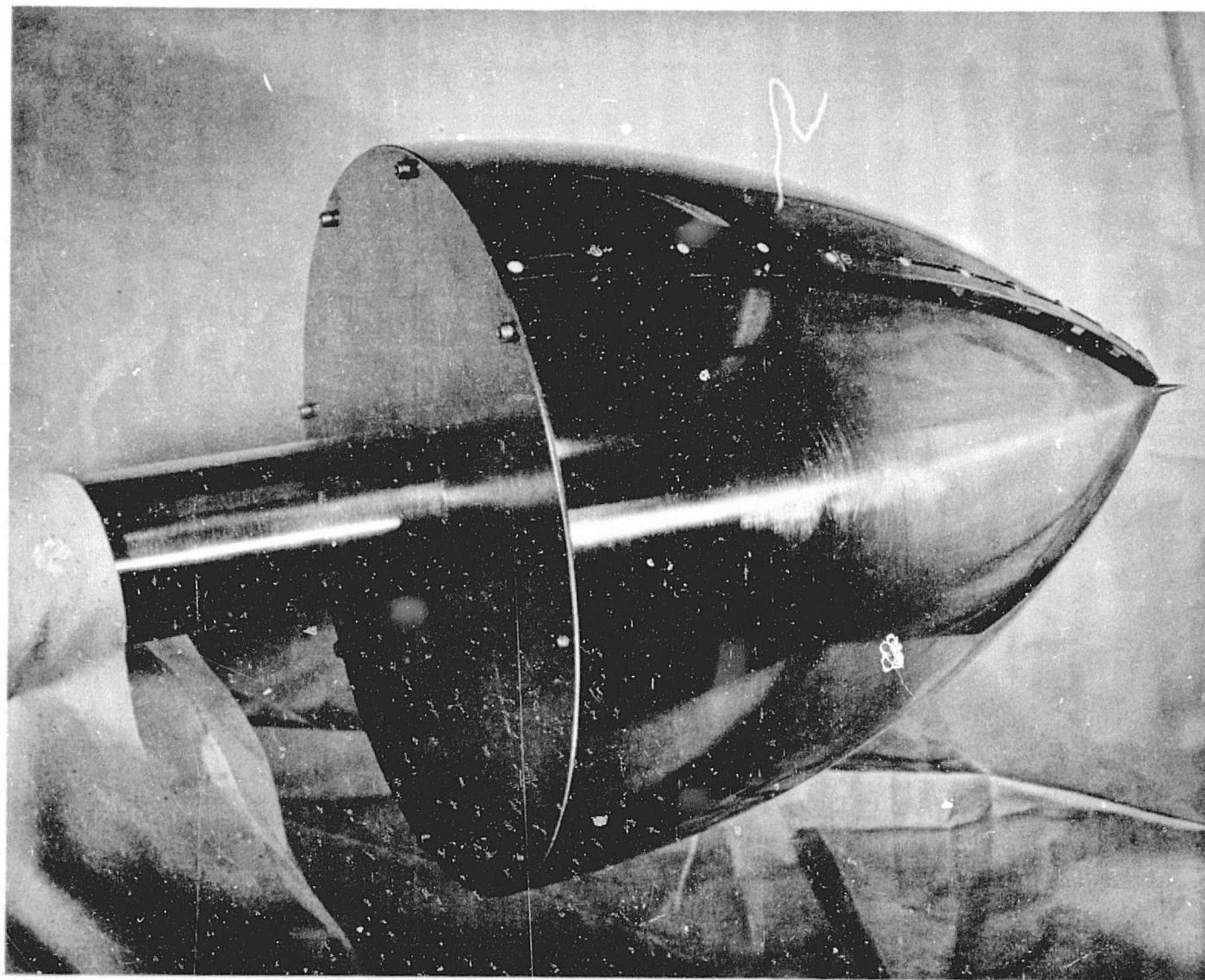


Figure 4. Three-Quarter Rear View of .0275 Scale  
Cone-Ogive Model



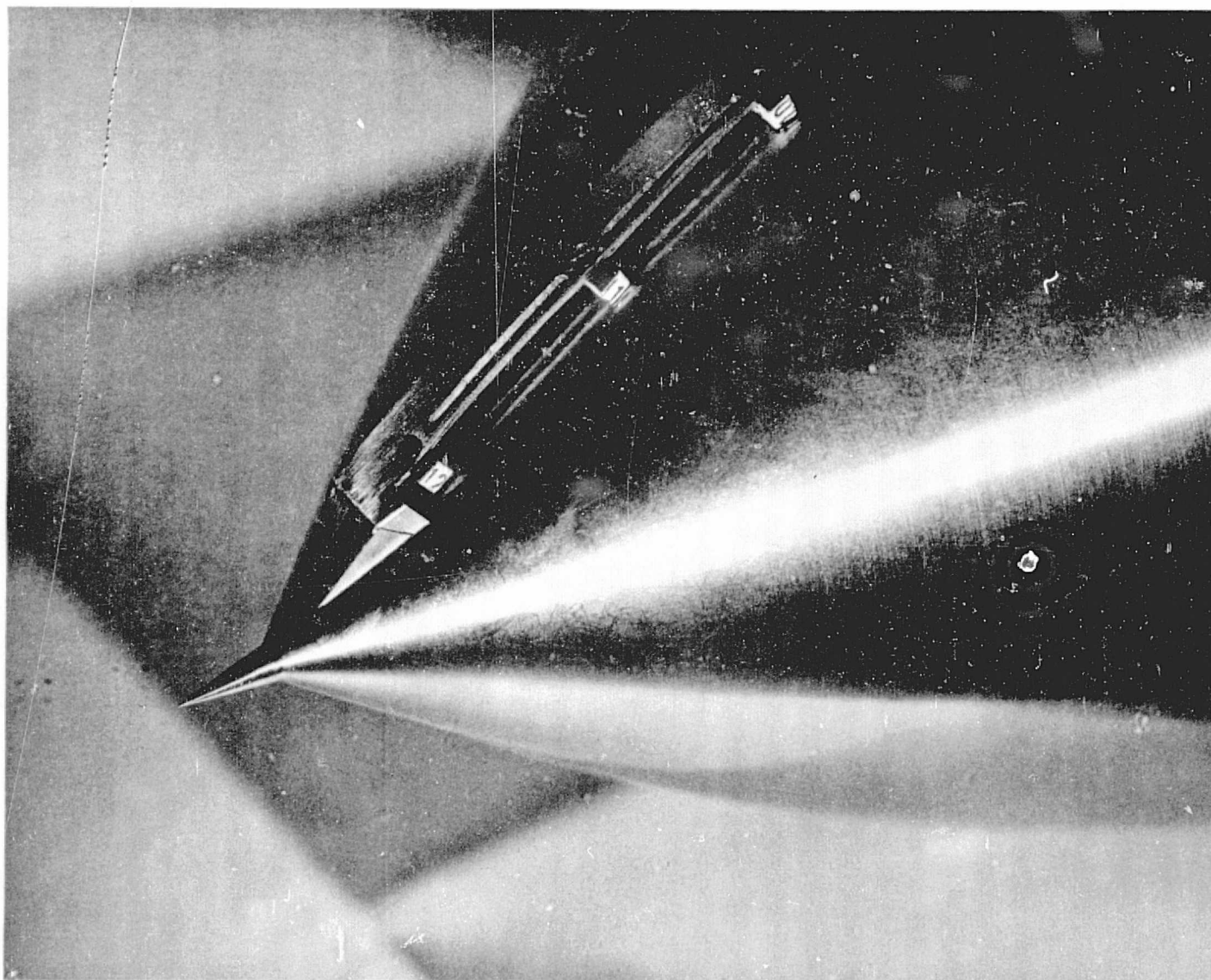


Figure 5. Close-up View of .0275 Scale Cone-Ogive Model Nose and External Hardware

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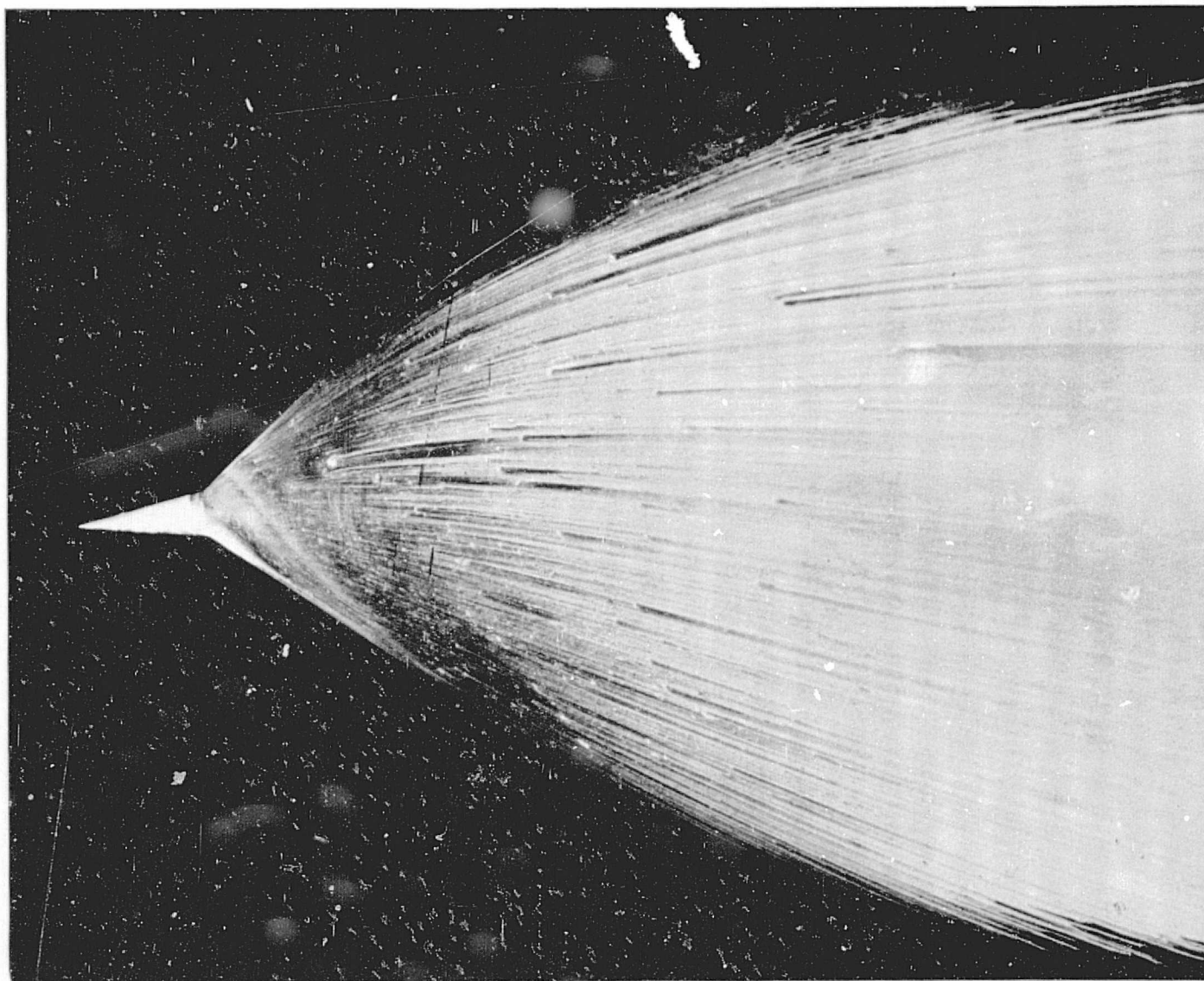


Figure 6a. Oil Flow Pattern at  $\alpha = -4.59^\circ$ ,  $\beta = -5.51^\circ$ ,  $Re_\infty/ft = 1.5 \times 10^6$ , Run 25

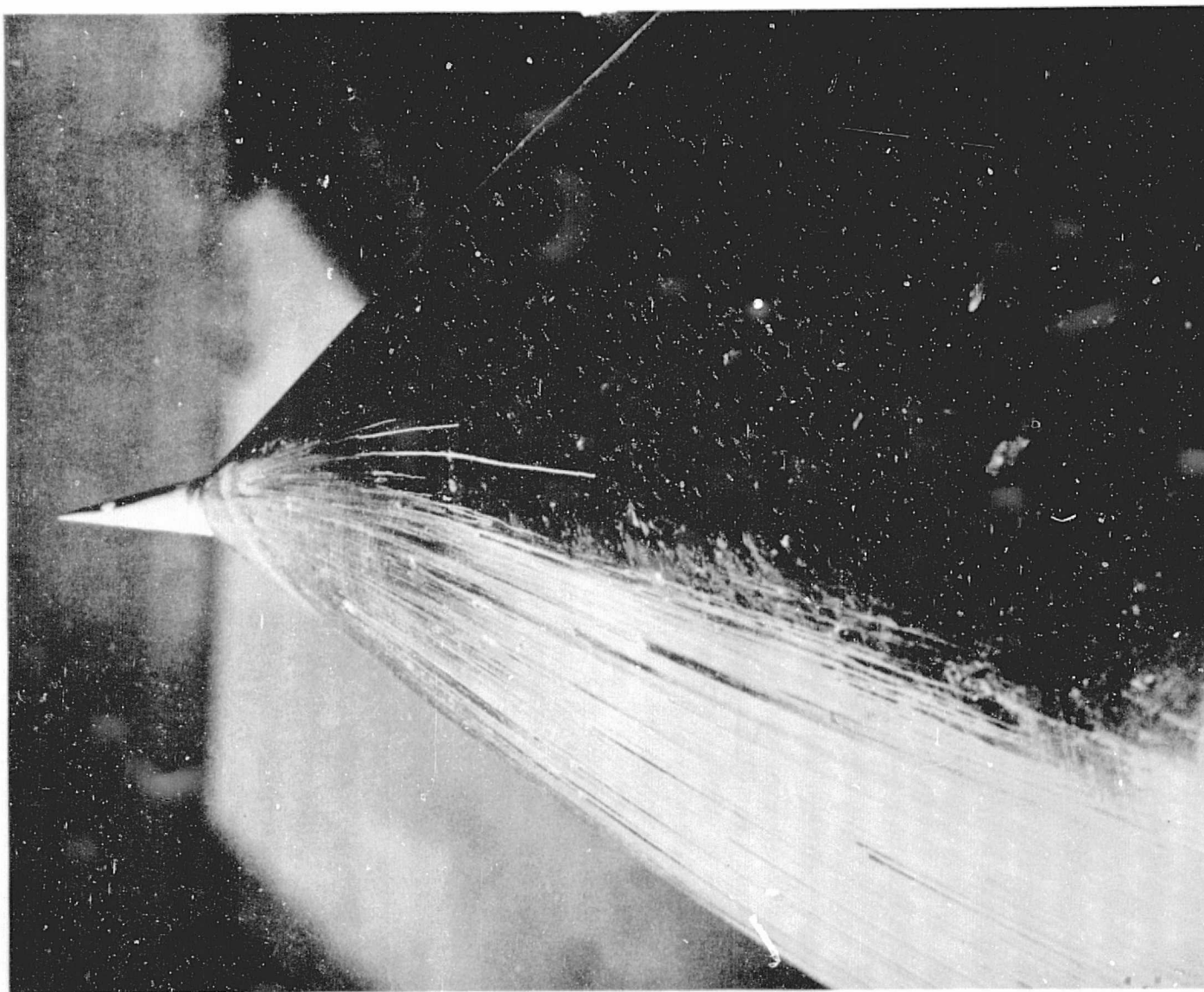
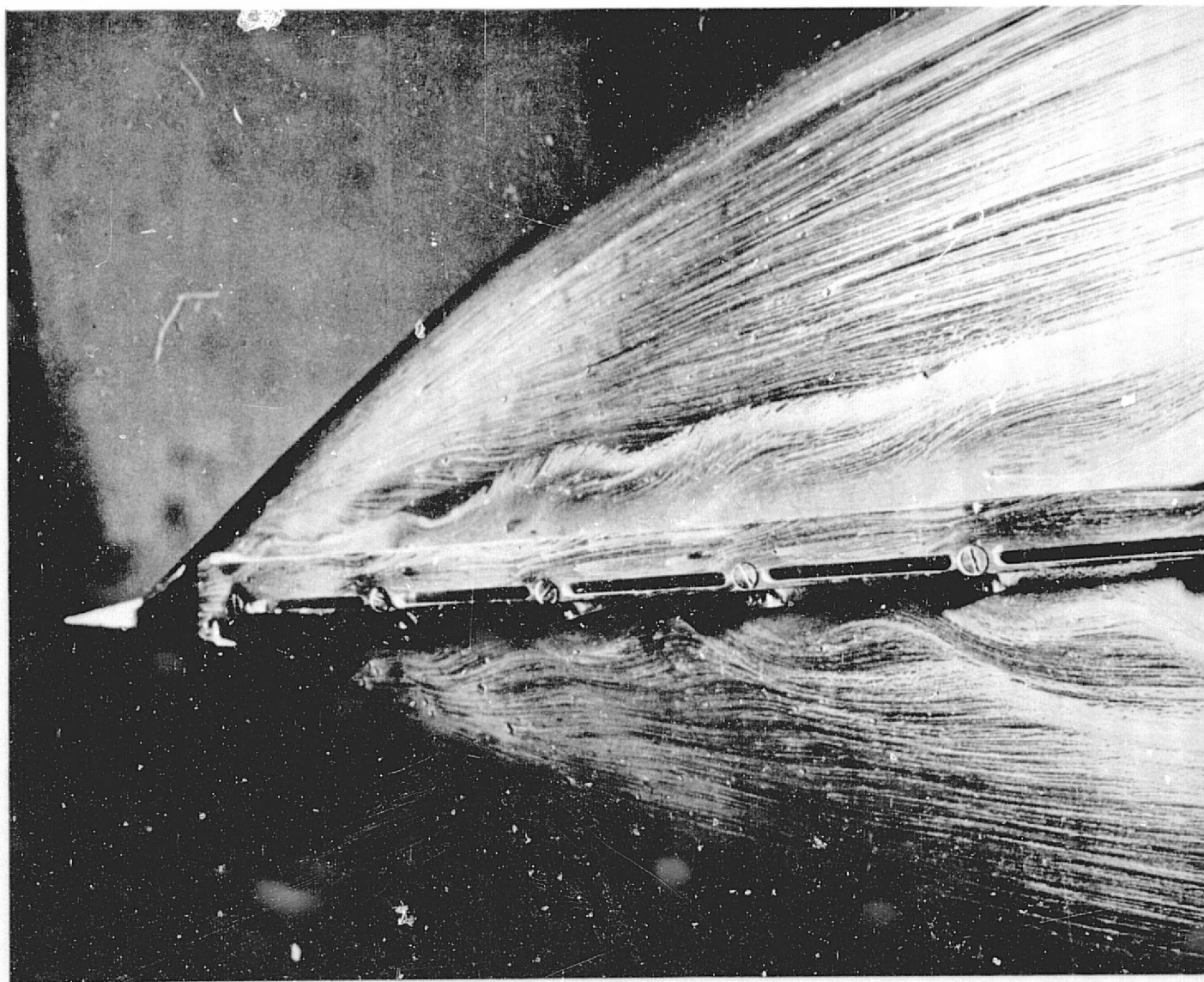


Figure 6b. Oil Flow Pattern at  $\alpha = -4.59^\circ$ ,  $\beta = -5.51^\circ$ ,  $Re_\infty/ft = 5.0 \times 10^6$ , Run 26



7a. Oil Flow Pattern Around Brackets 1 thru 5;  $\alpha = \beta = 0^\circ$ , Run 33



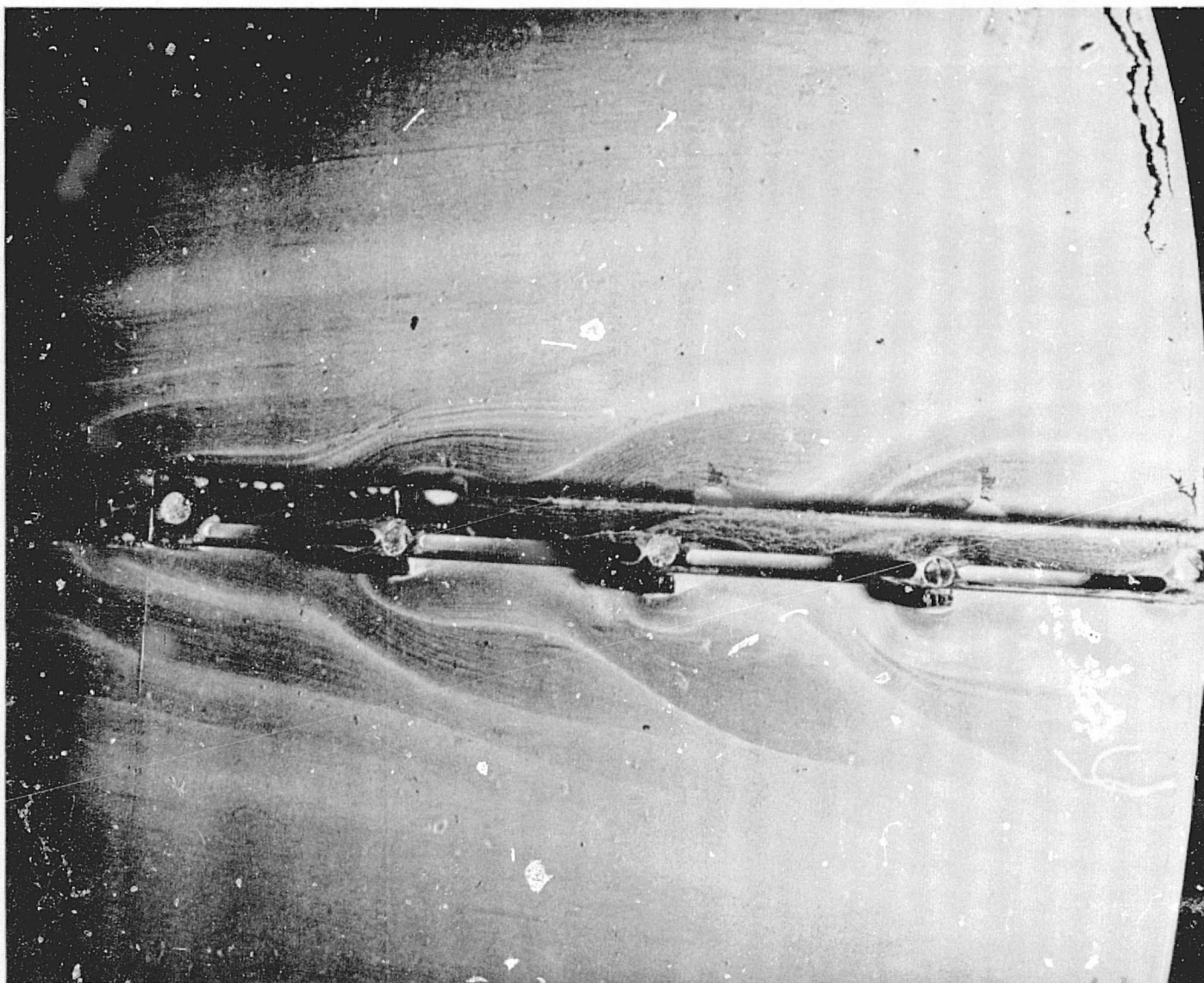


Figure 7b. Oil Flow Pattern Around Brackets 7 thru 11;  $\alpha = \beta = 0^\circ$ , Run 33



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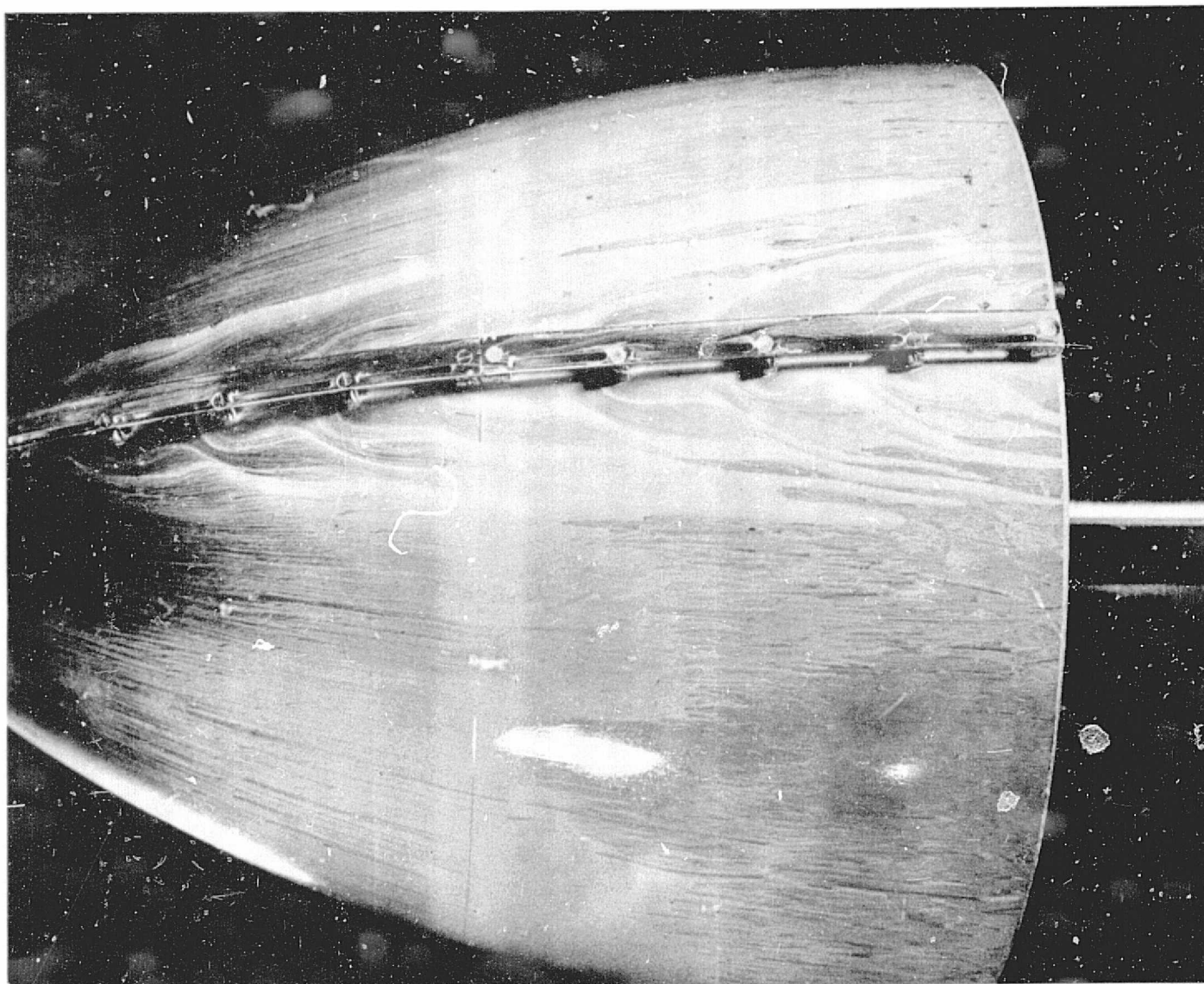


Figure 7c. Oil Flow Pattern Around Brackets 3 thru 11;  $\alpha = \beta = 0^\circ$ , Run 34

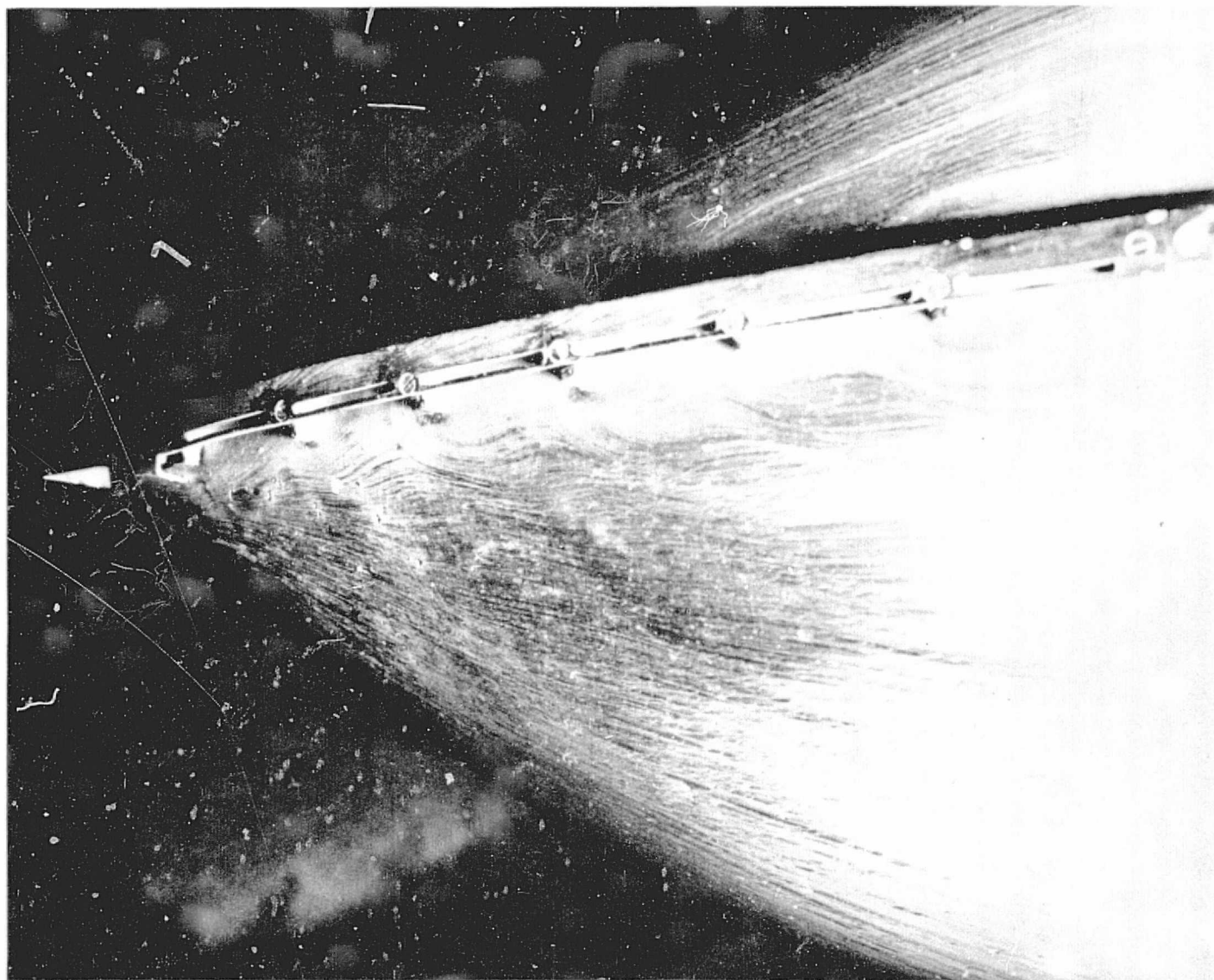


Figure 8a. Oil Flow Pattern Around Brackets 1 thru 7;  $\alpha = -5^\circ$ ,  $\beta = 0^\circ$ , Run 35

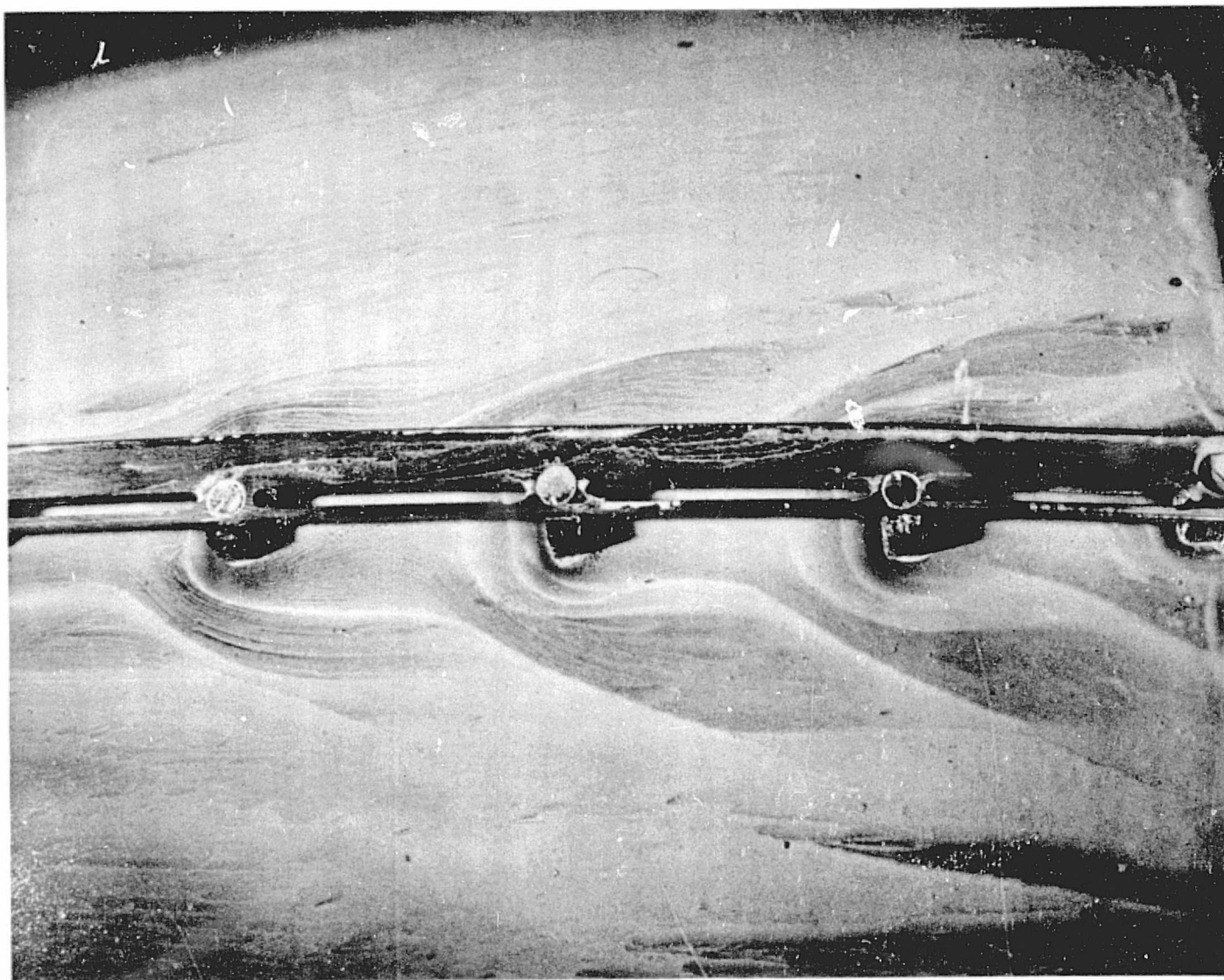


Figure 8b. Oil Flow Pattern Around Brackets 8 thru 11;  $\alpha = -5^\circ$ ,  $\beta = 0^\circ$ , Run 35

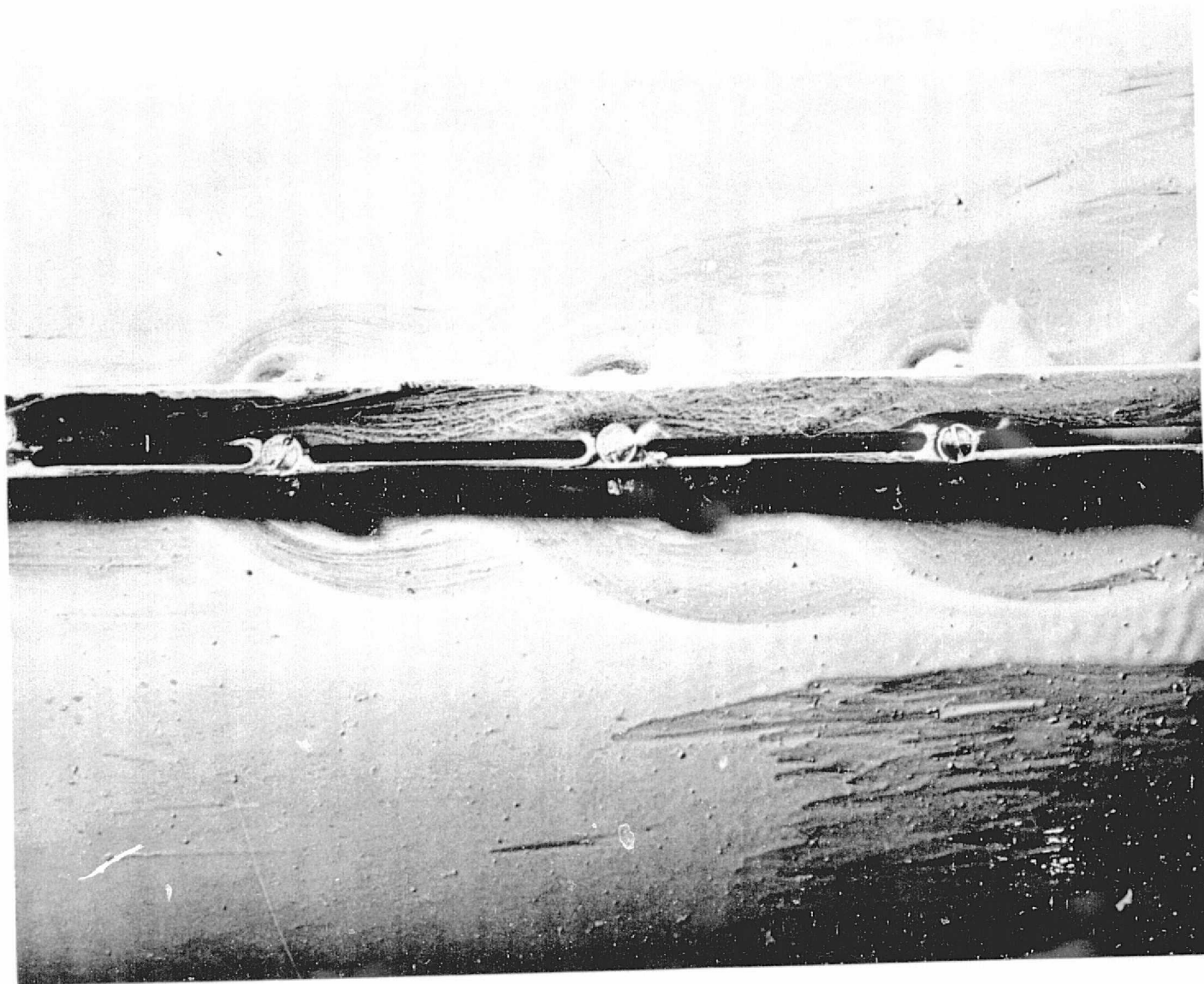


Figure 9a. Oil Flow Pattern Around Brackets 8 thru 10;  $\alpha = 0^\circ$ ,  $\beta = -6^\circ$ , Run 36



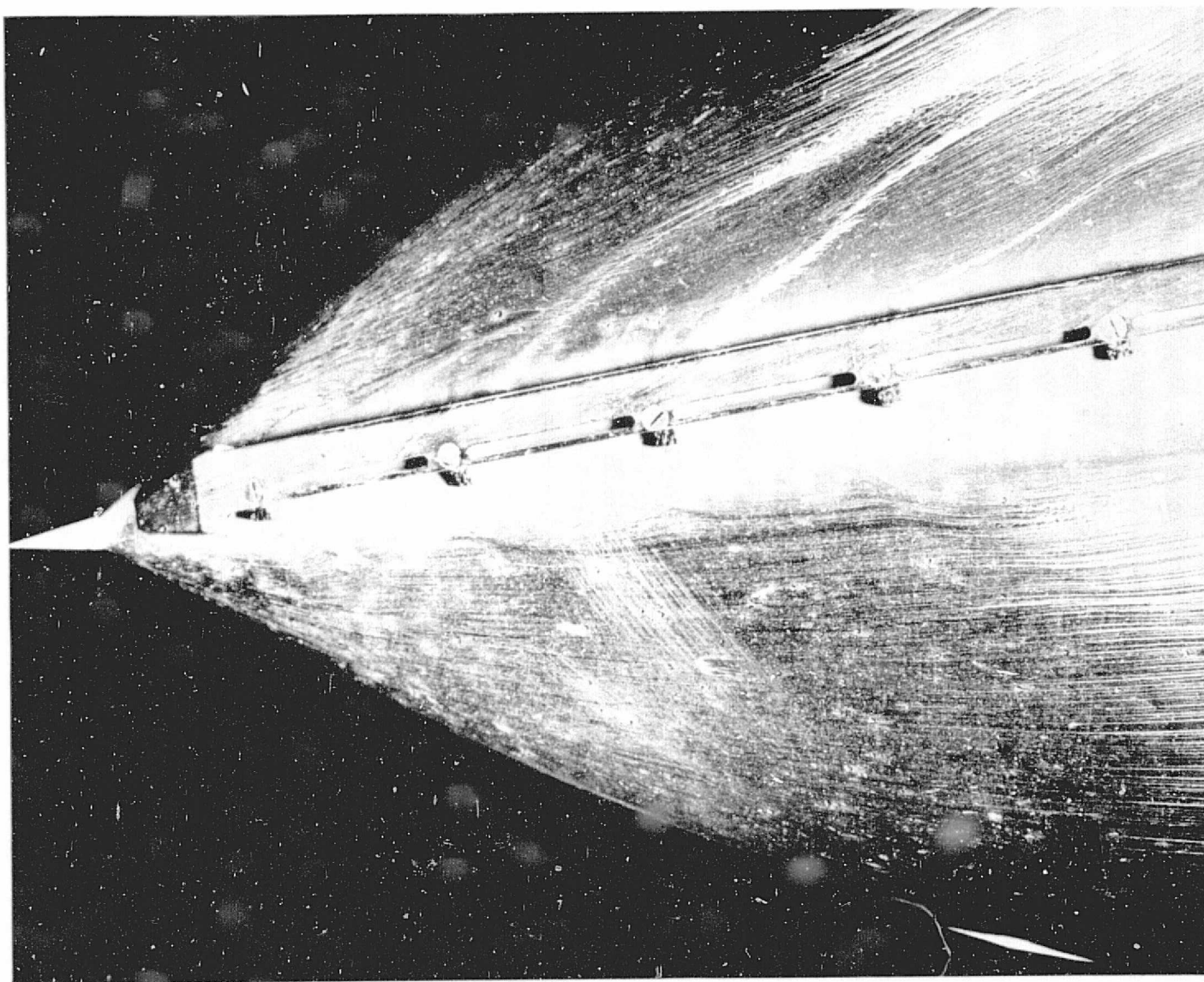


Figure 9b. Oil Flow Pattern Around Brackets 1 thru 5;  $\alpha = 0^\circ$ ,  $\beta = -6^\circ$ , Run 36

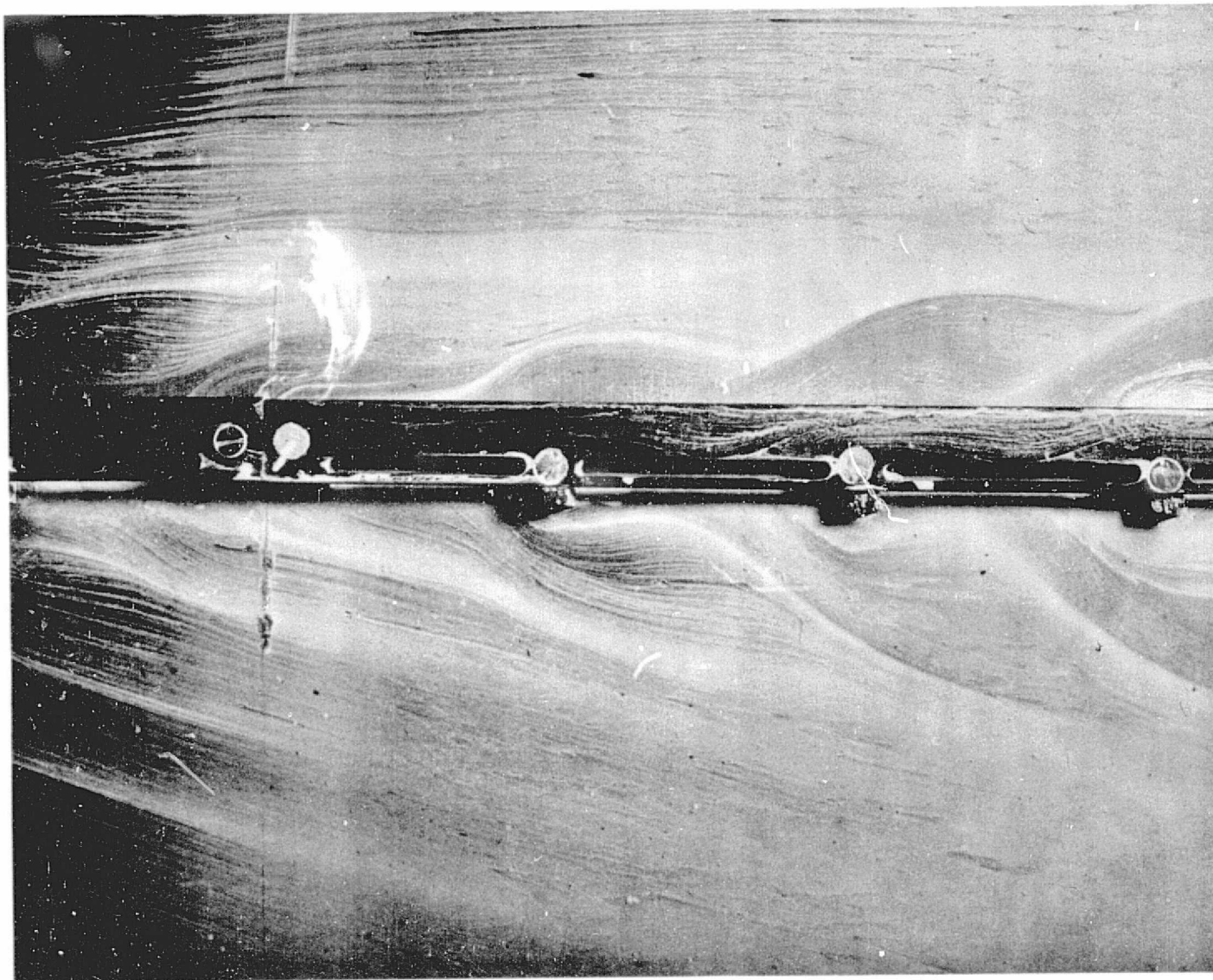


Figure 10a. Oil Flow Pattern Around Brackets 7 thru 10;  $\alpha = 0^\circ$ ,  $\beta = 6^\circ$ , Run 37



Figure 10b. Oil Flow Pattern Around Brackets 1 thru 5;  $\alpha = 0^\circ$ ,  $\beta = 6^\circ$ , Run 37



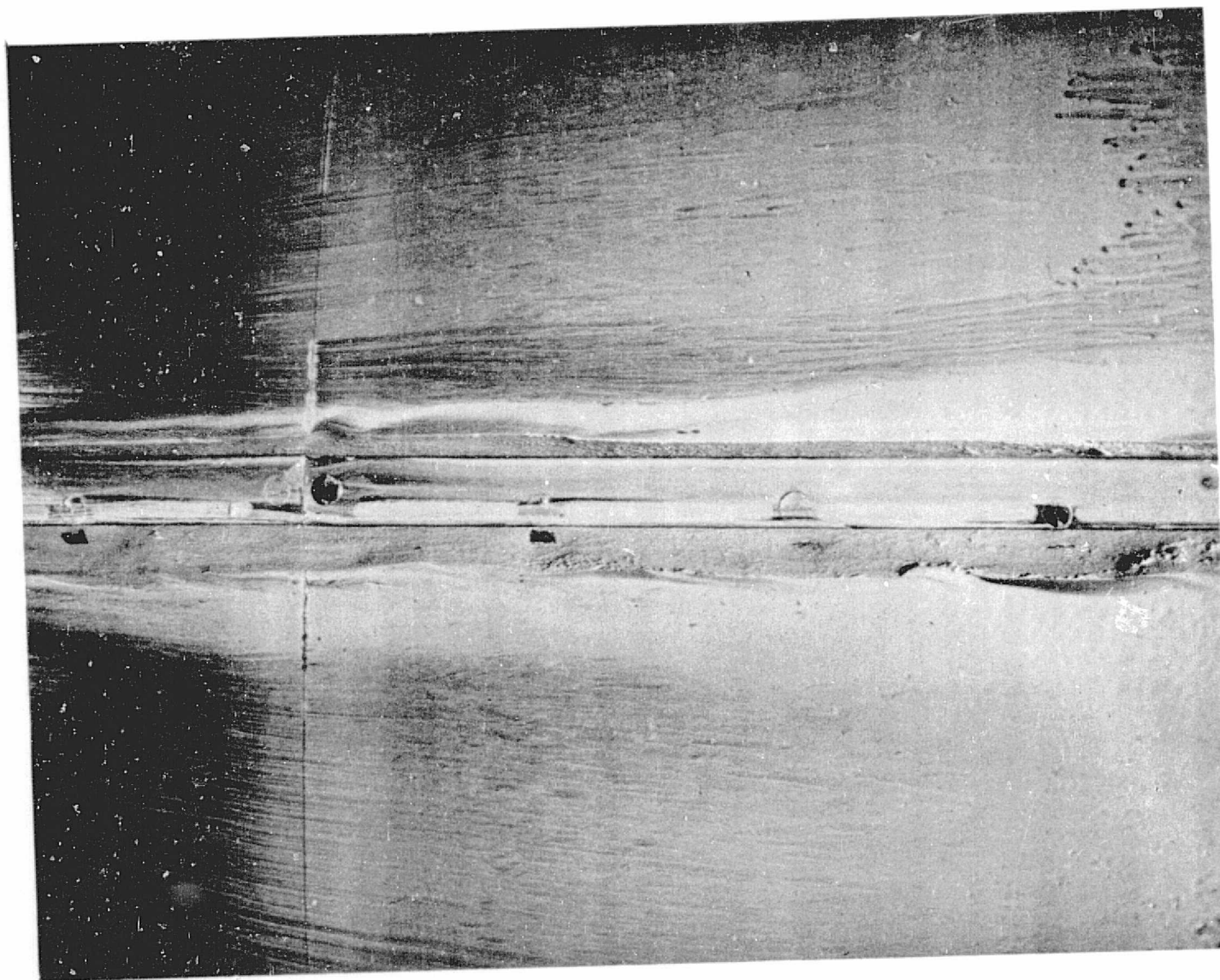


Figure 11a. Oil Flow Patterns Around Faired Brackets 6 thru 10;  
 $\alpha = \beta = 0^\circ$ , Run 38



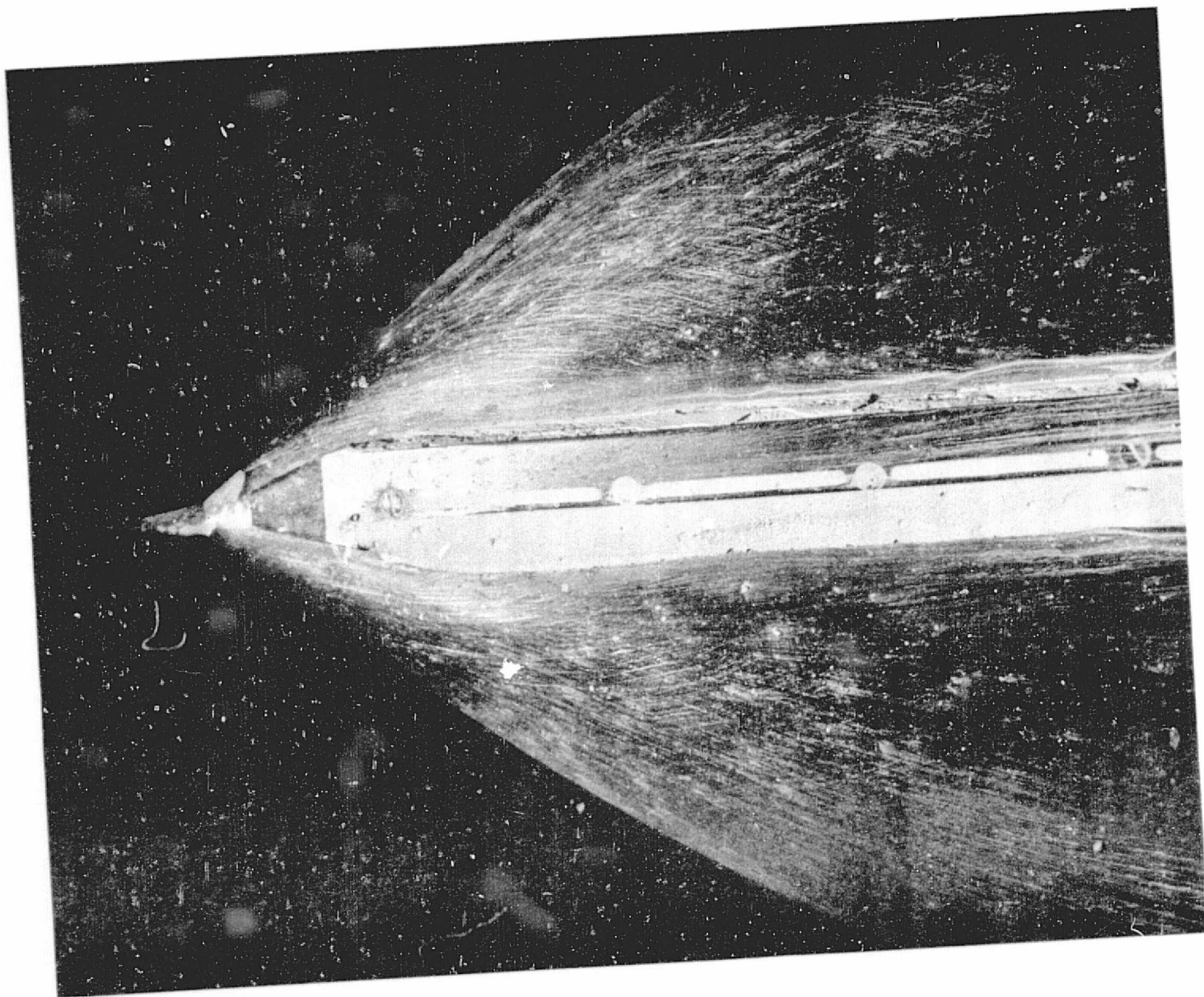


Figure 11b. Oil Flow Patterns Around Faired Brackets 1 thru 4;  
 $\alpha = \beta = 0^\circ$ , Run 38

DATA FIGURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT25)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09+RNTT25)	.000	-6.000	5.000

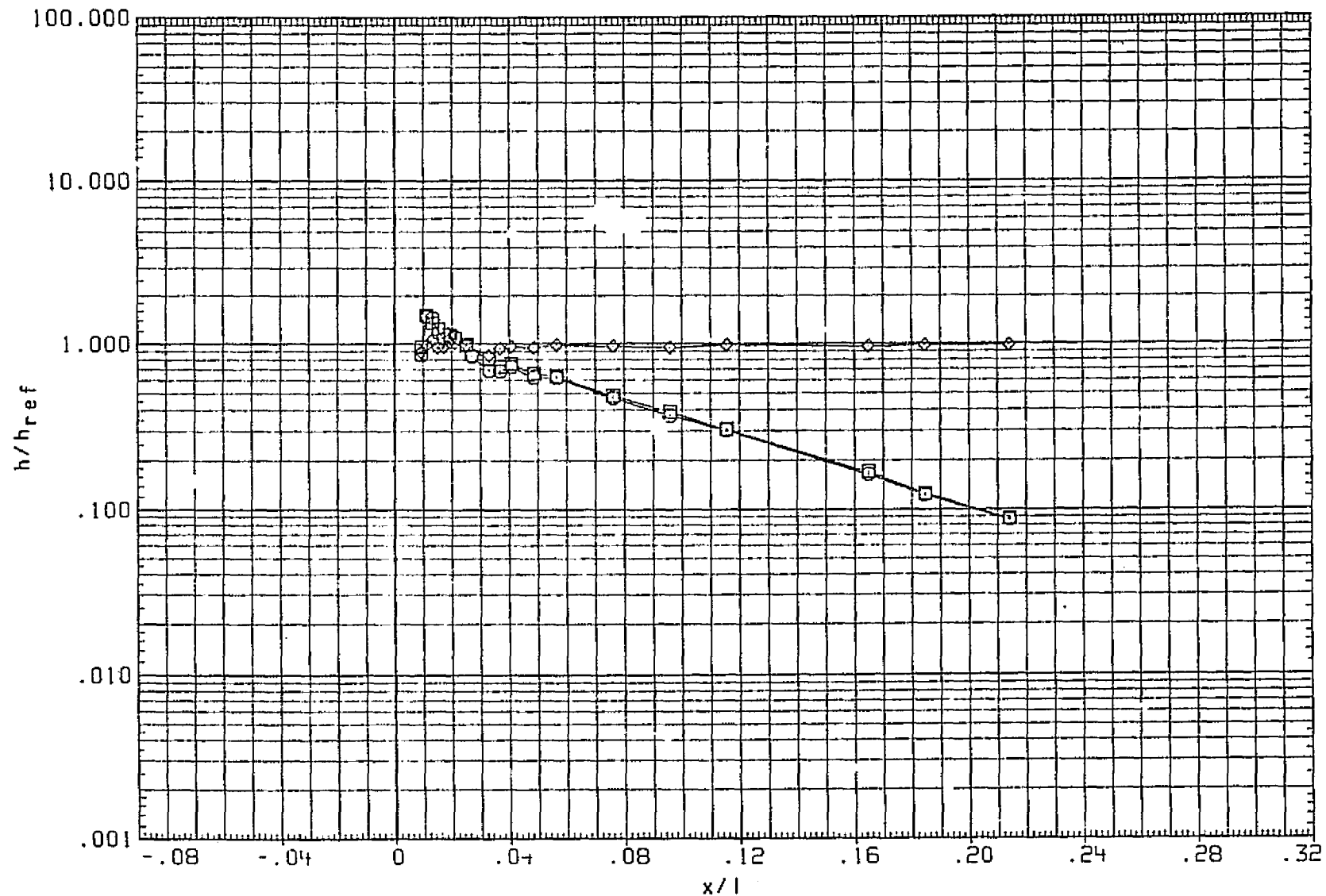


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

PAGE 856

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

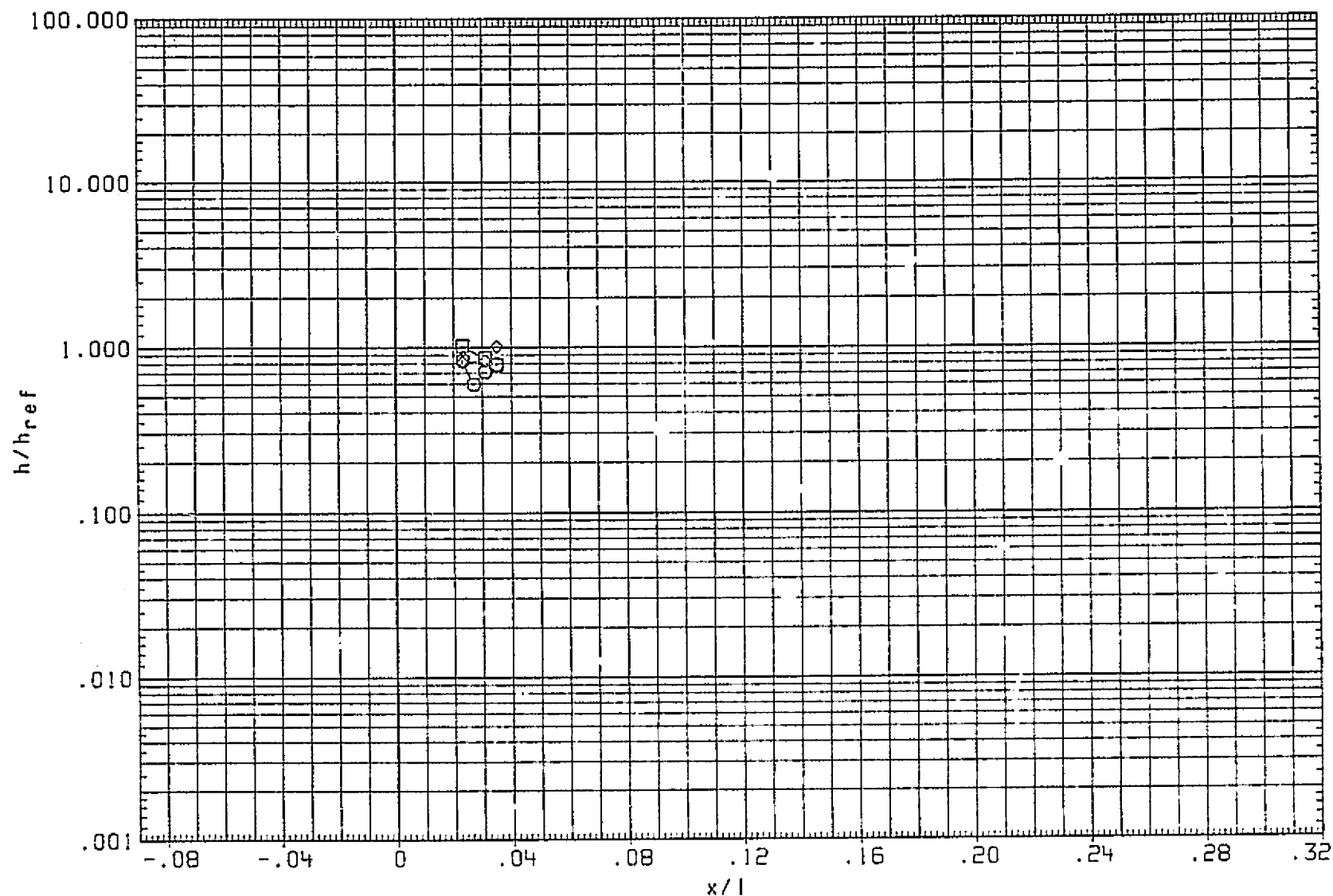


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

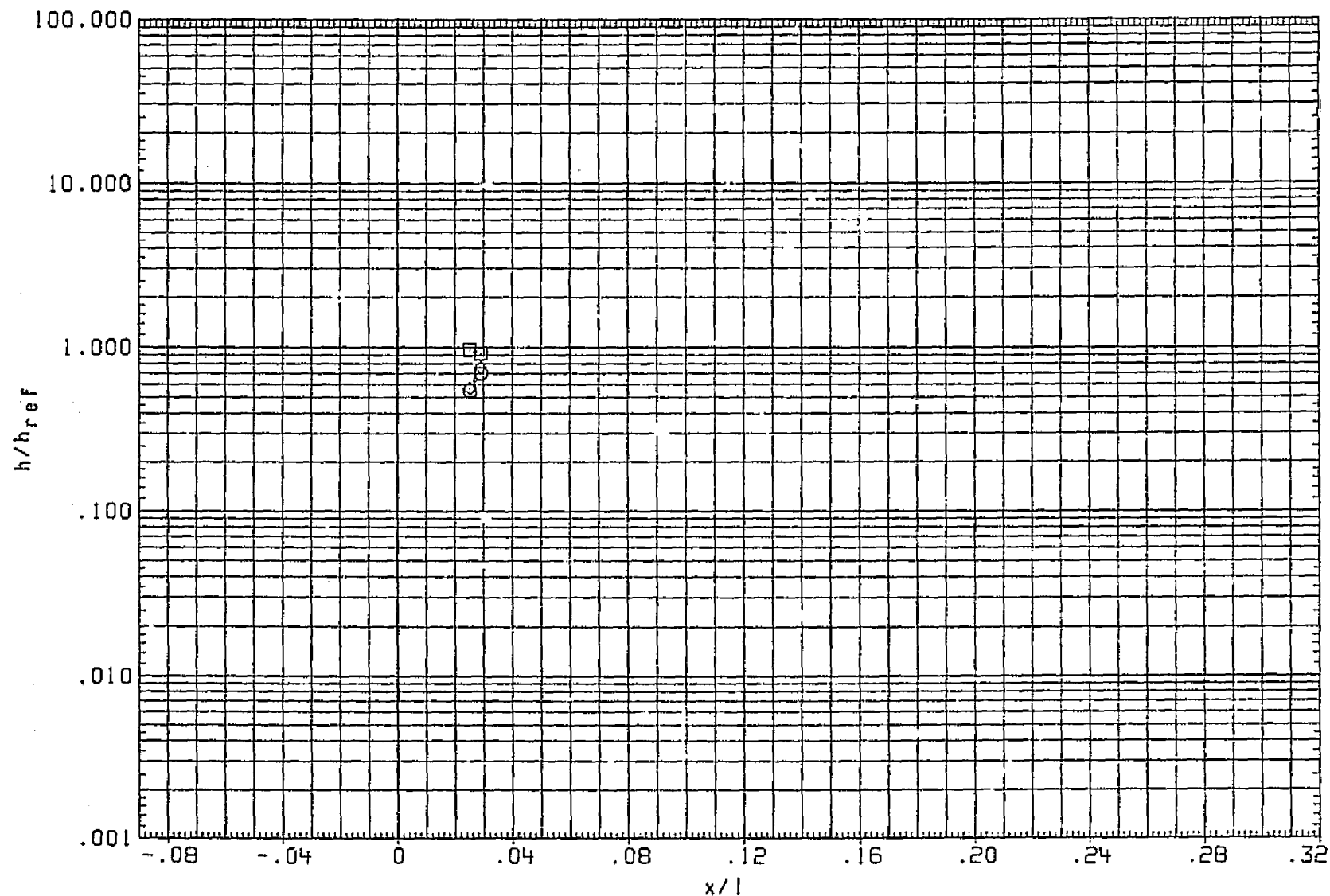


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 858

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTTC9)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

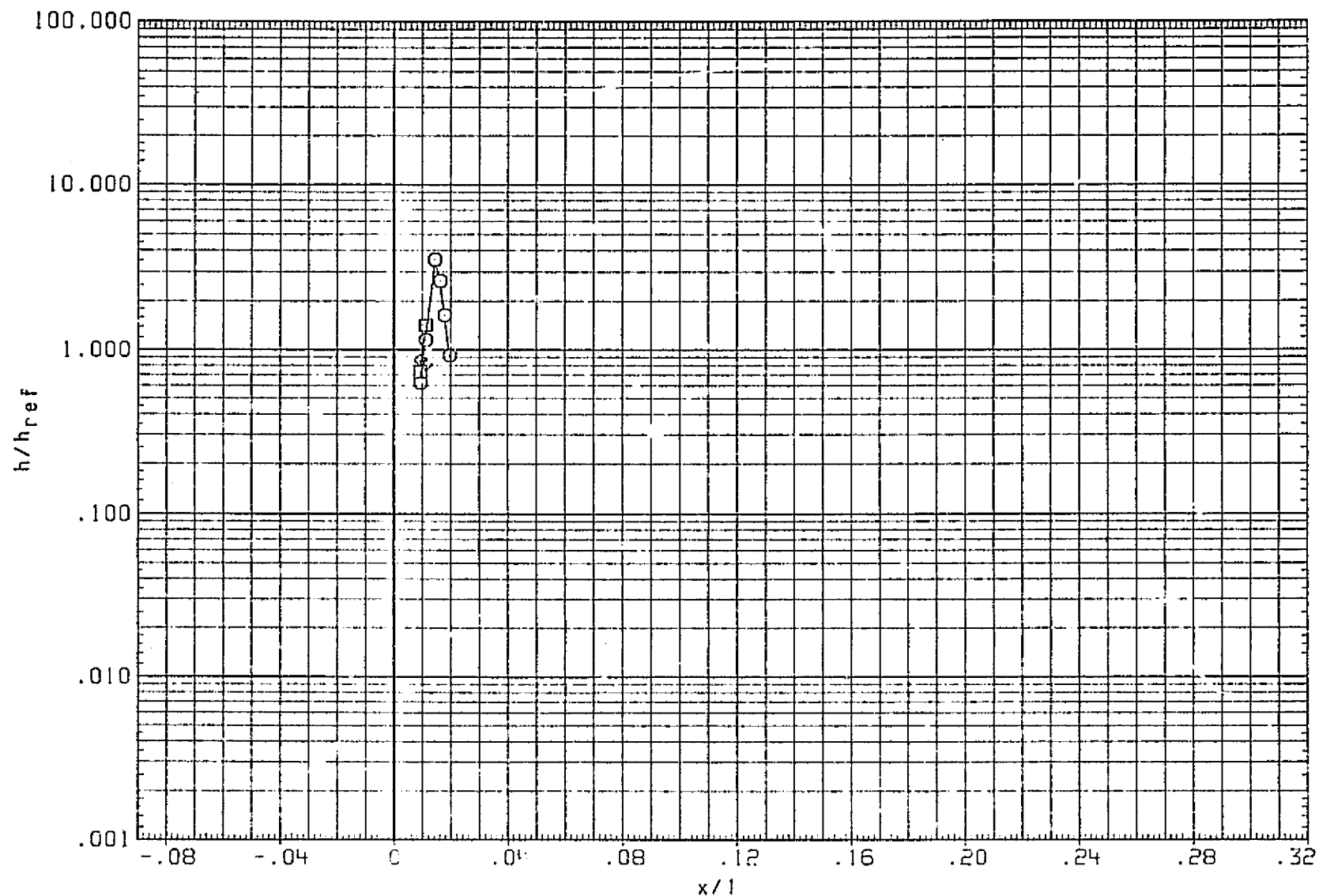


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

PAGE 859

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

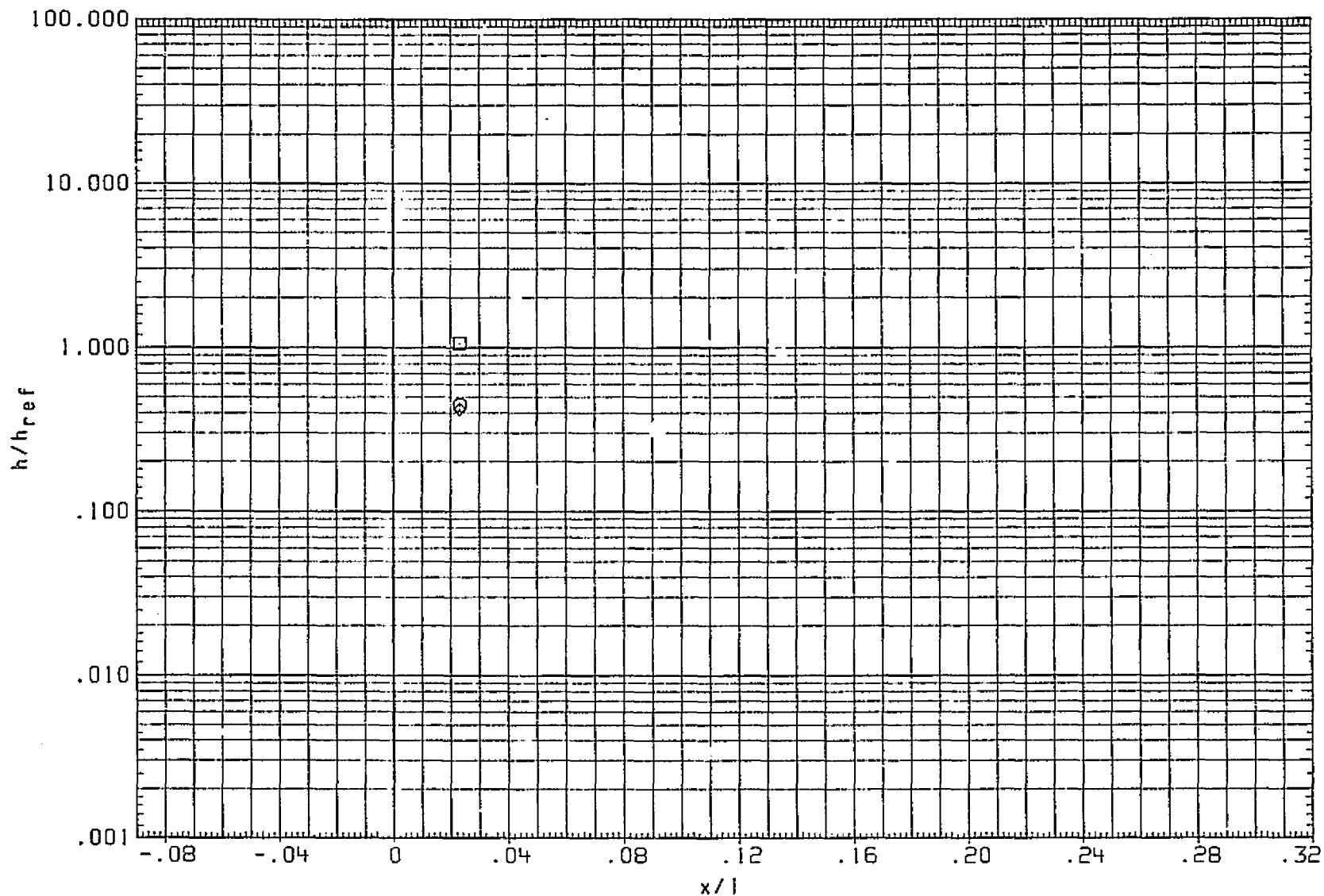


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 860

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

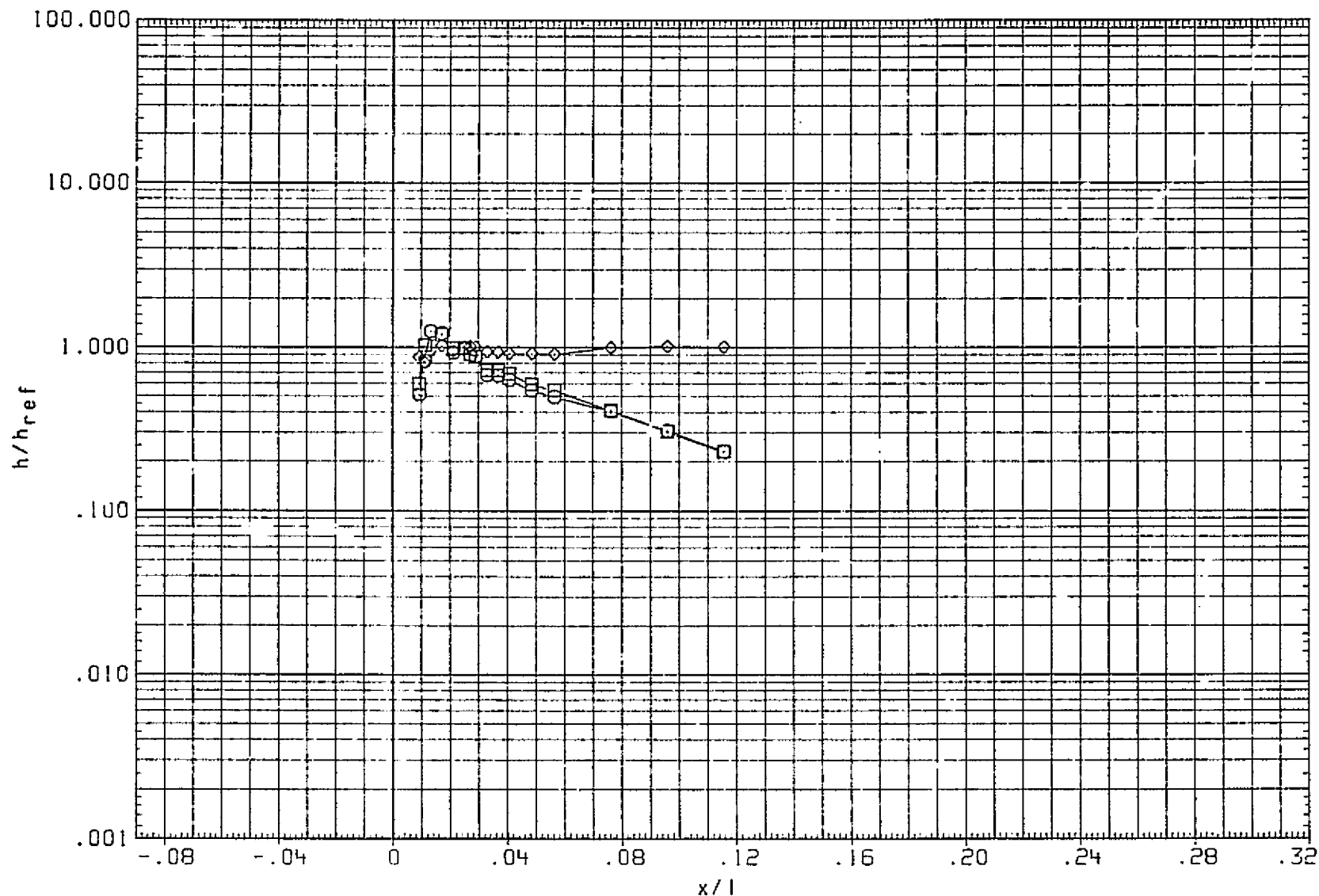


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 861



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

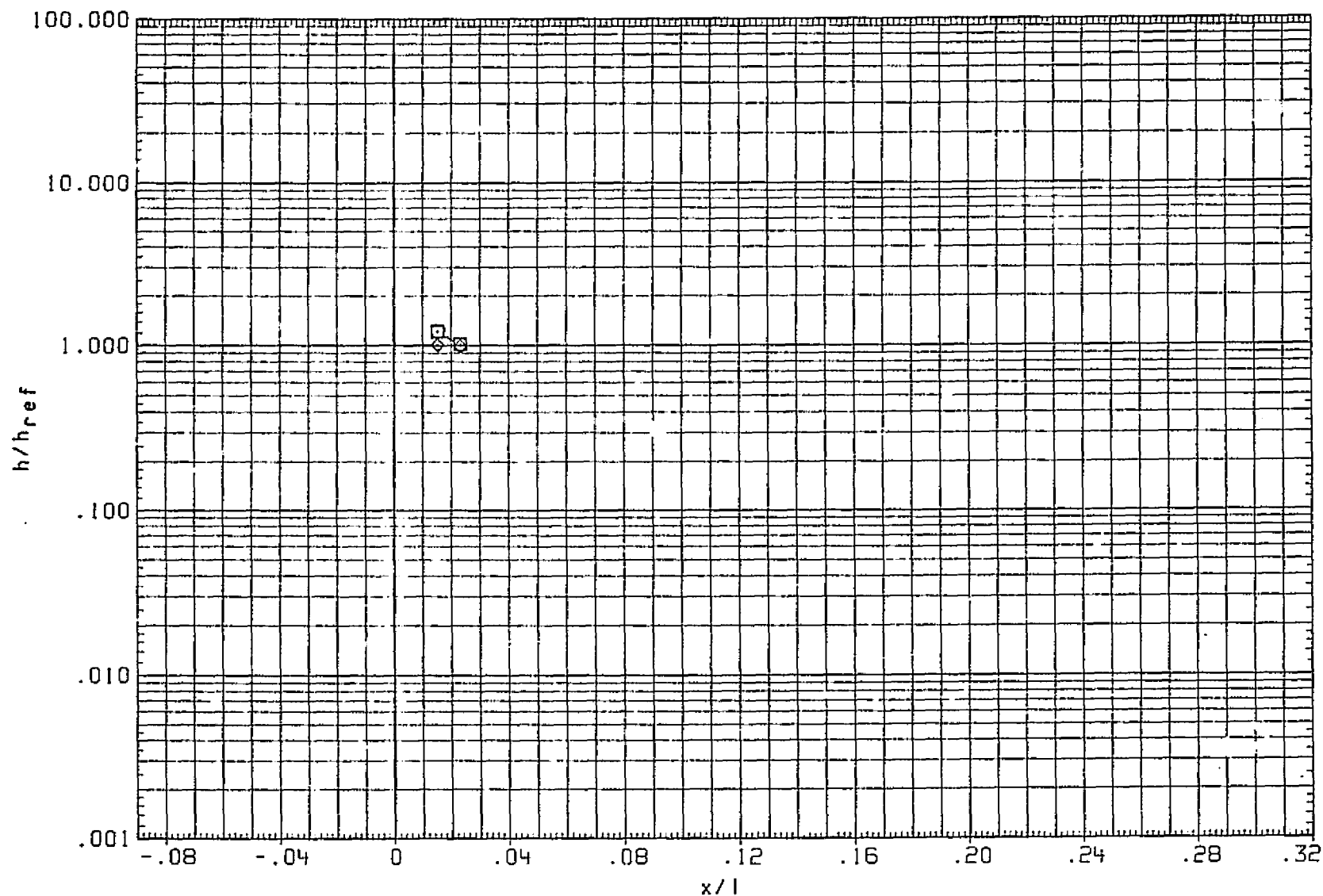


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 862

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

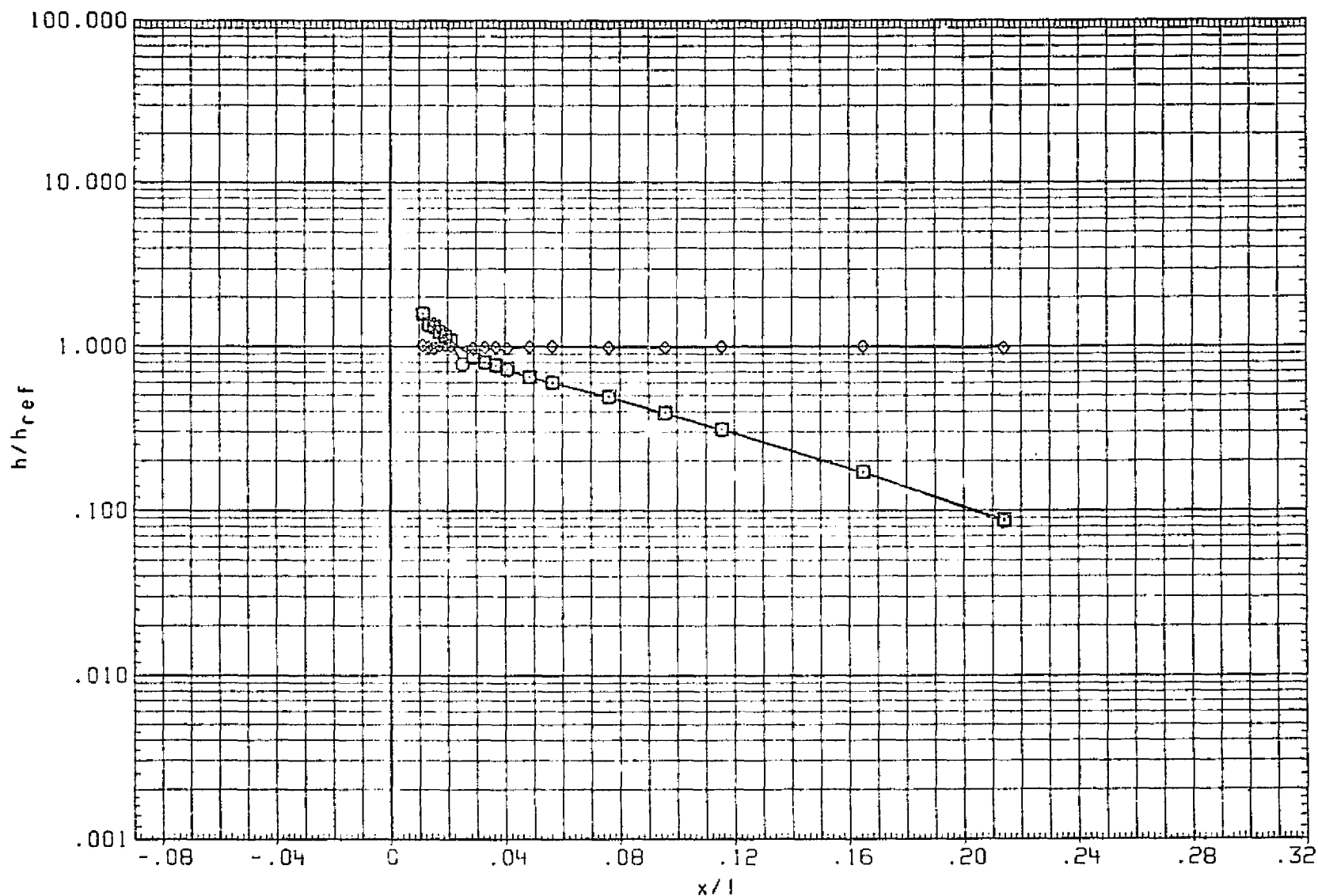


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

PAGE 863

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

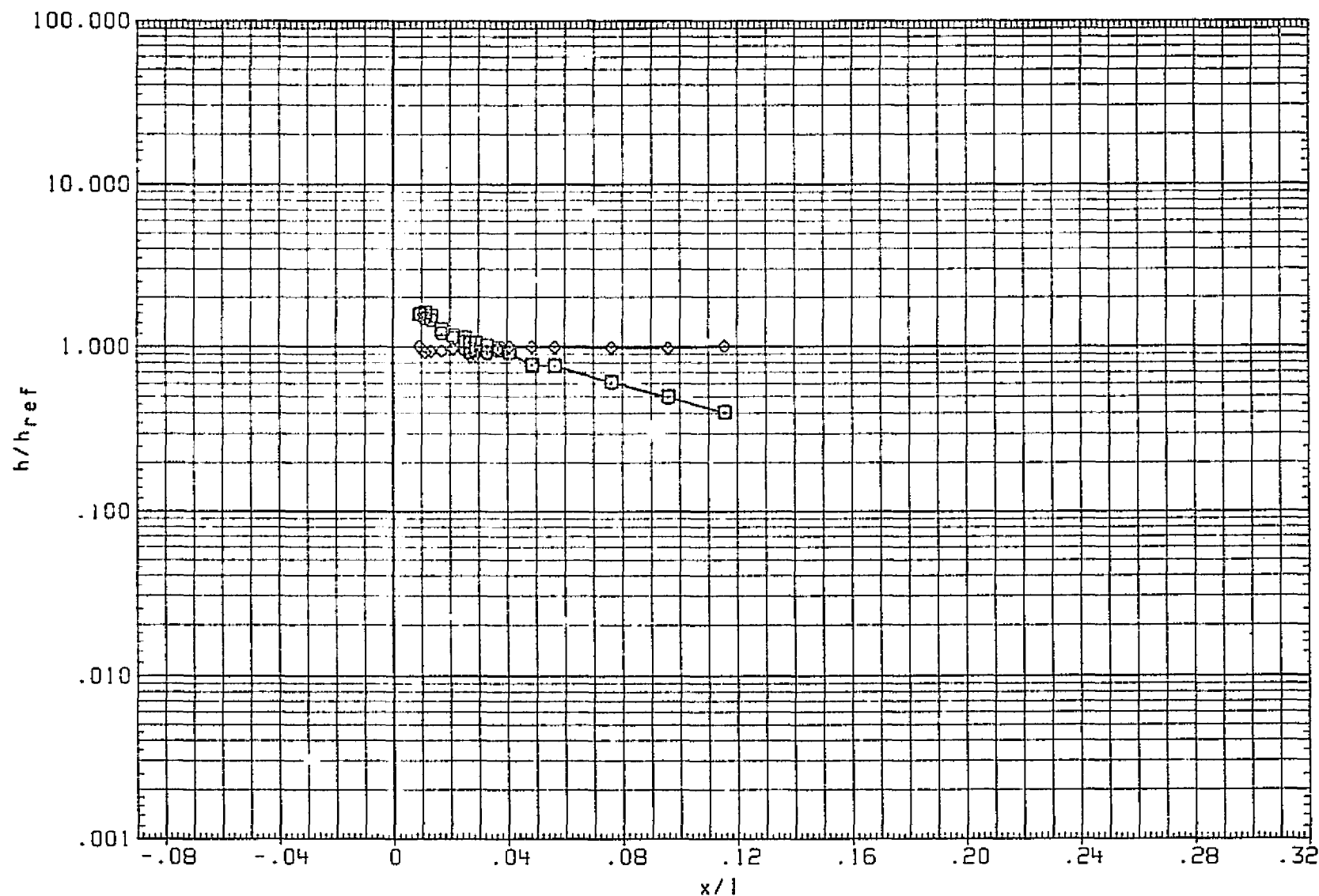


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 864

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

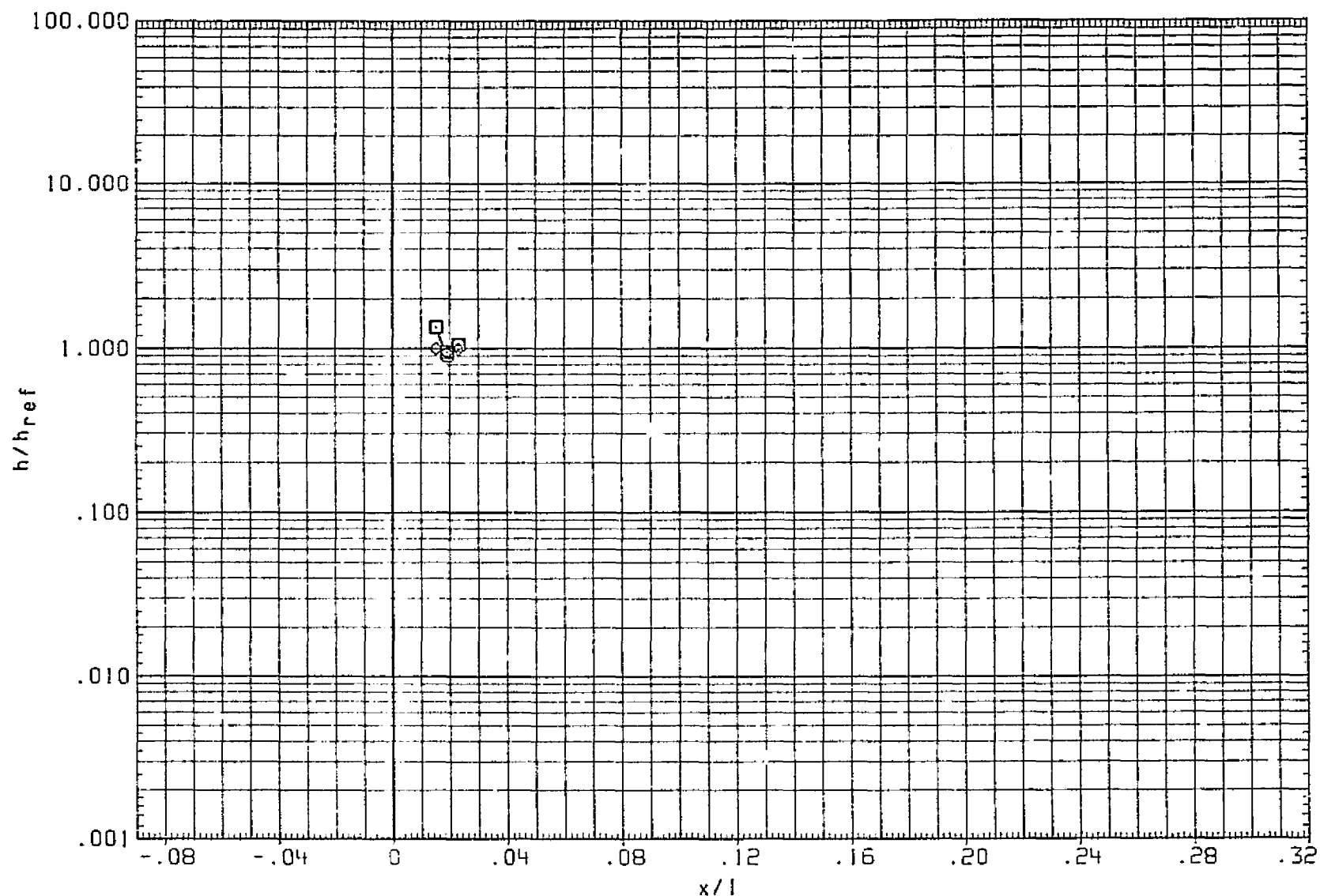


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

PAGE 865

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

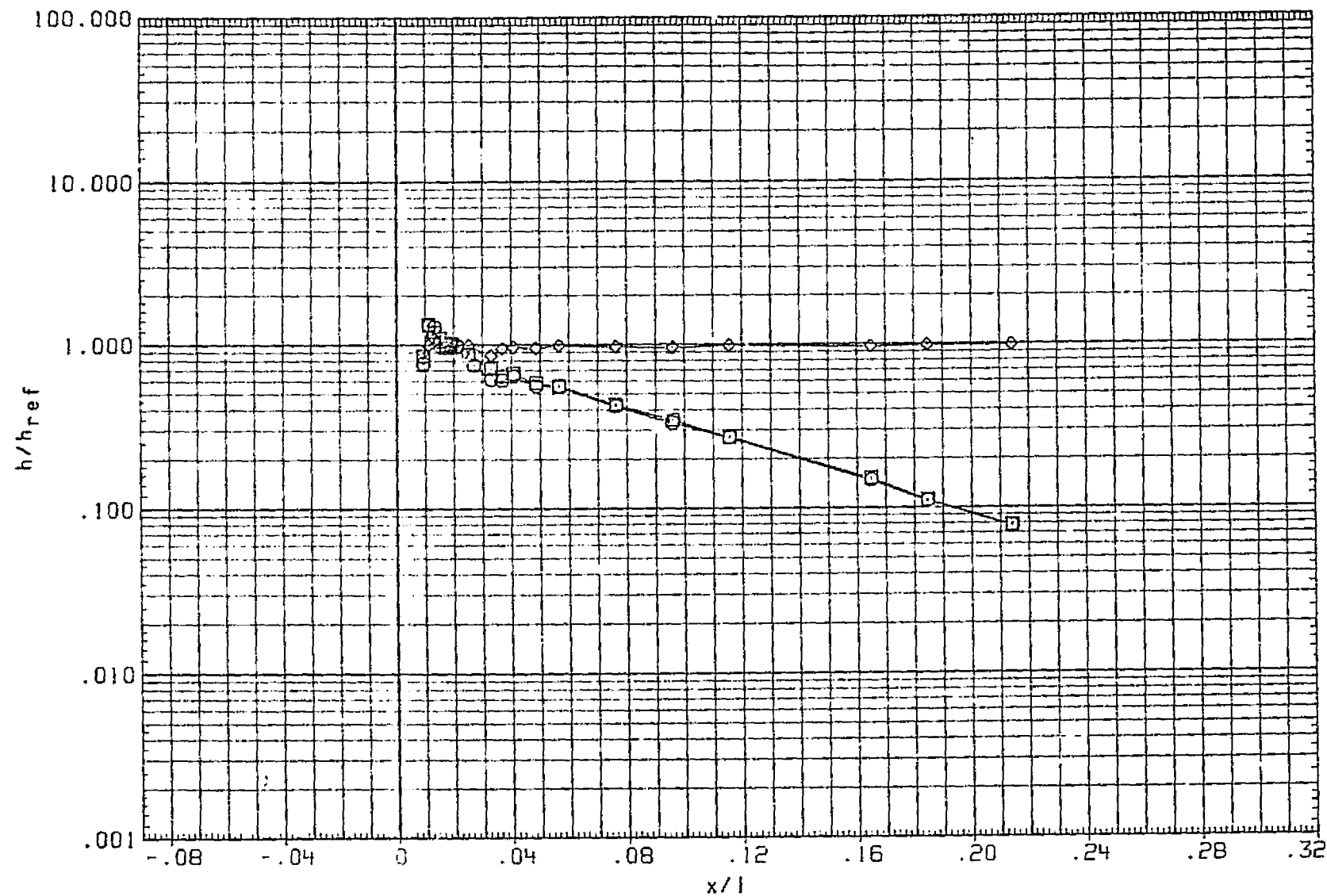


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

PAGE 866

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26,	.000	-6.000	5.000

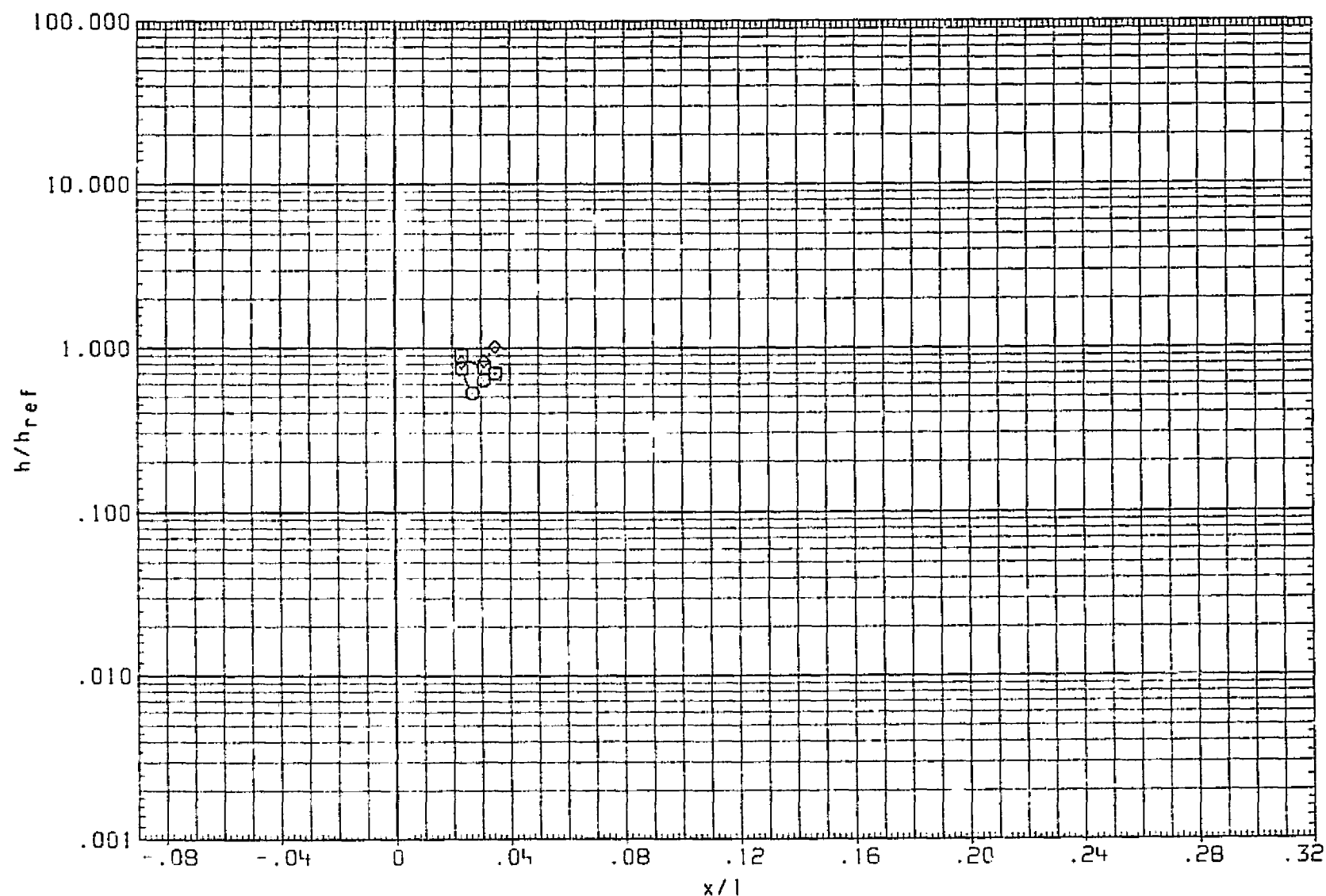


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

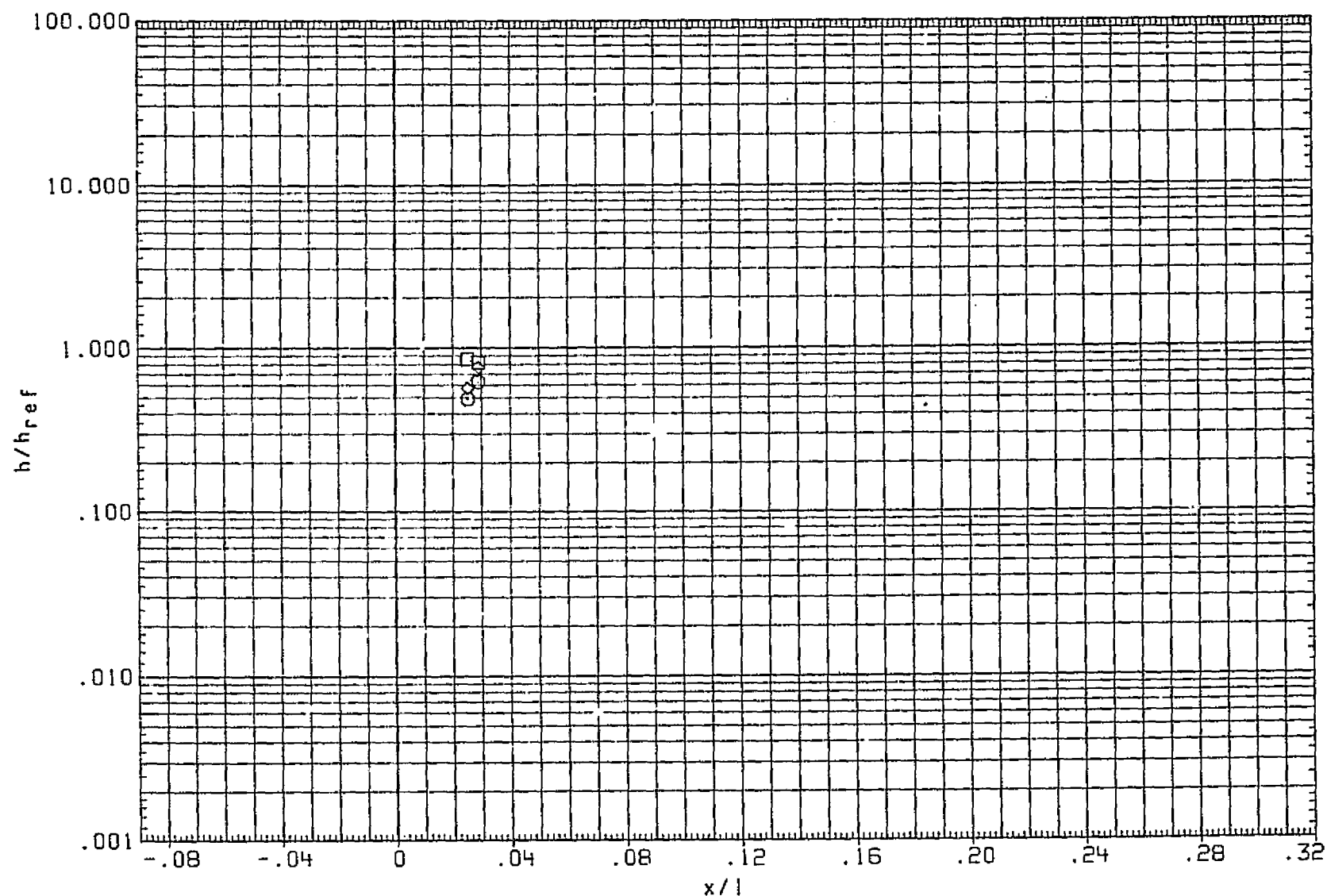


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 868

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

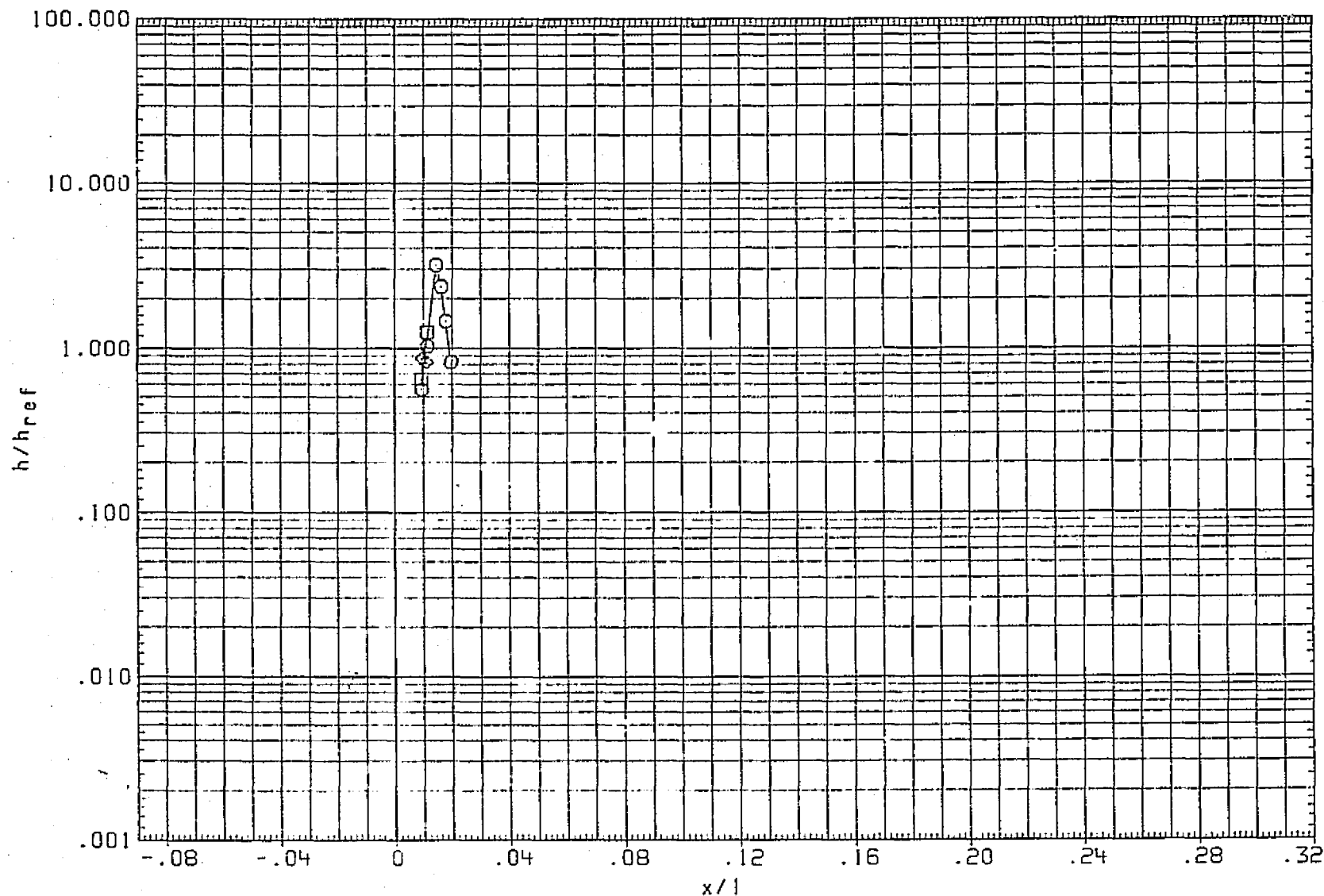


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

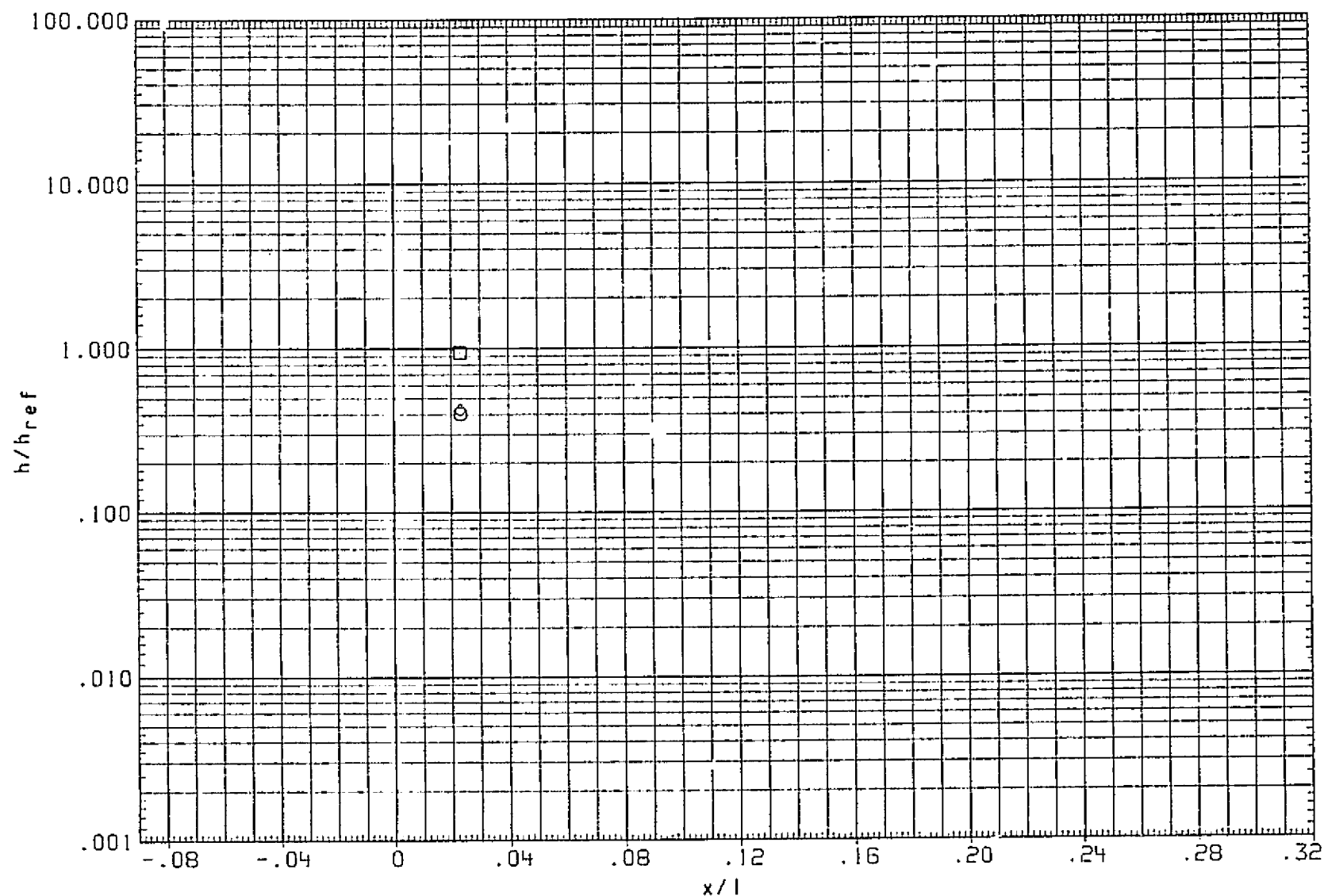


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 870

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

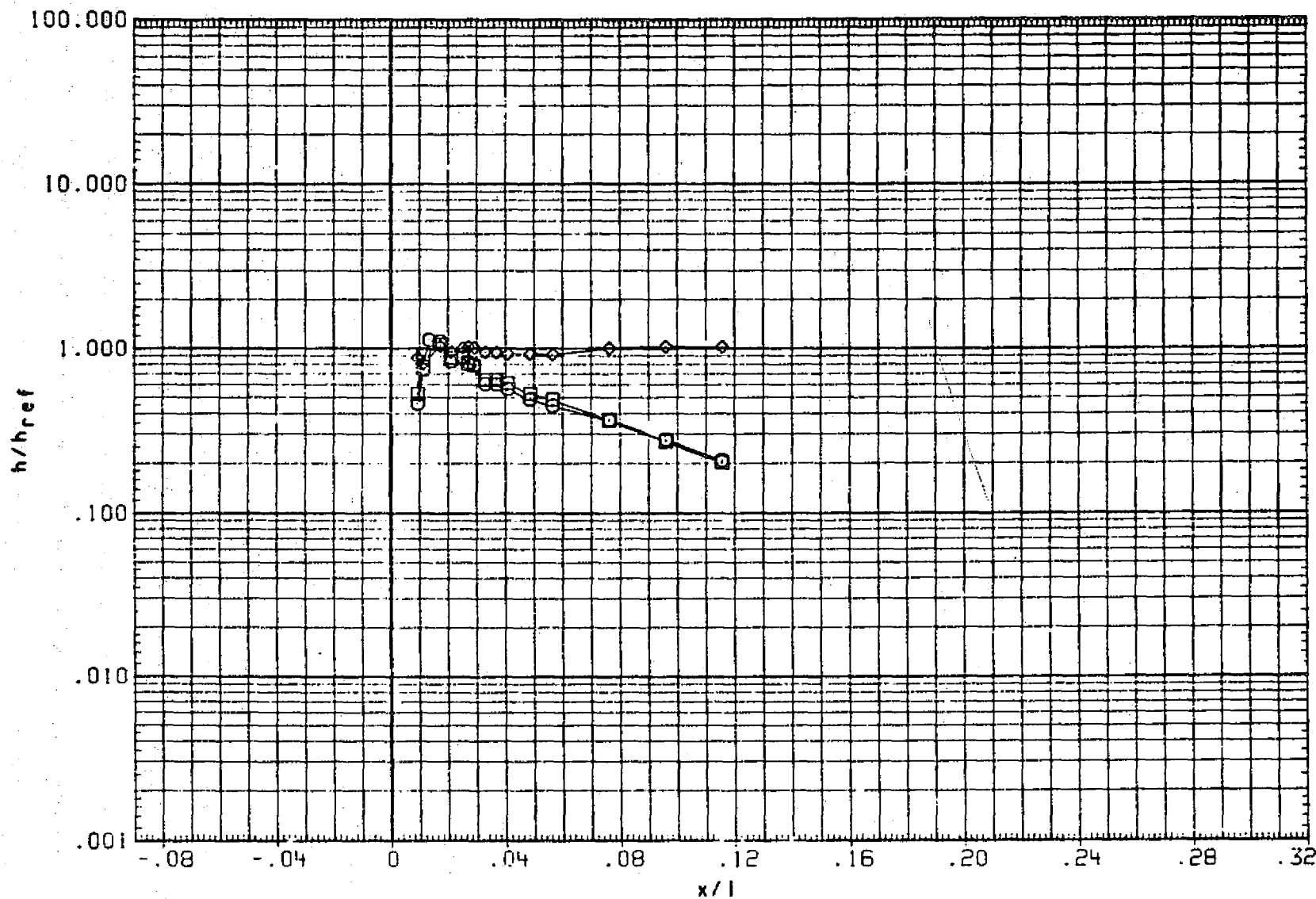


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE-PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(RNTT09)	◇	ARC3.5-215(FH14) 41/HU (RNTT09/RNTT26)	.000	-6.000	5.000

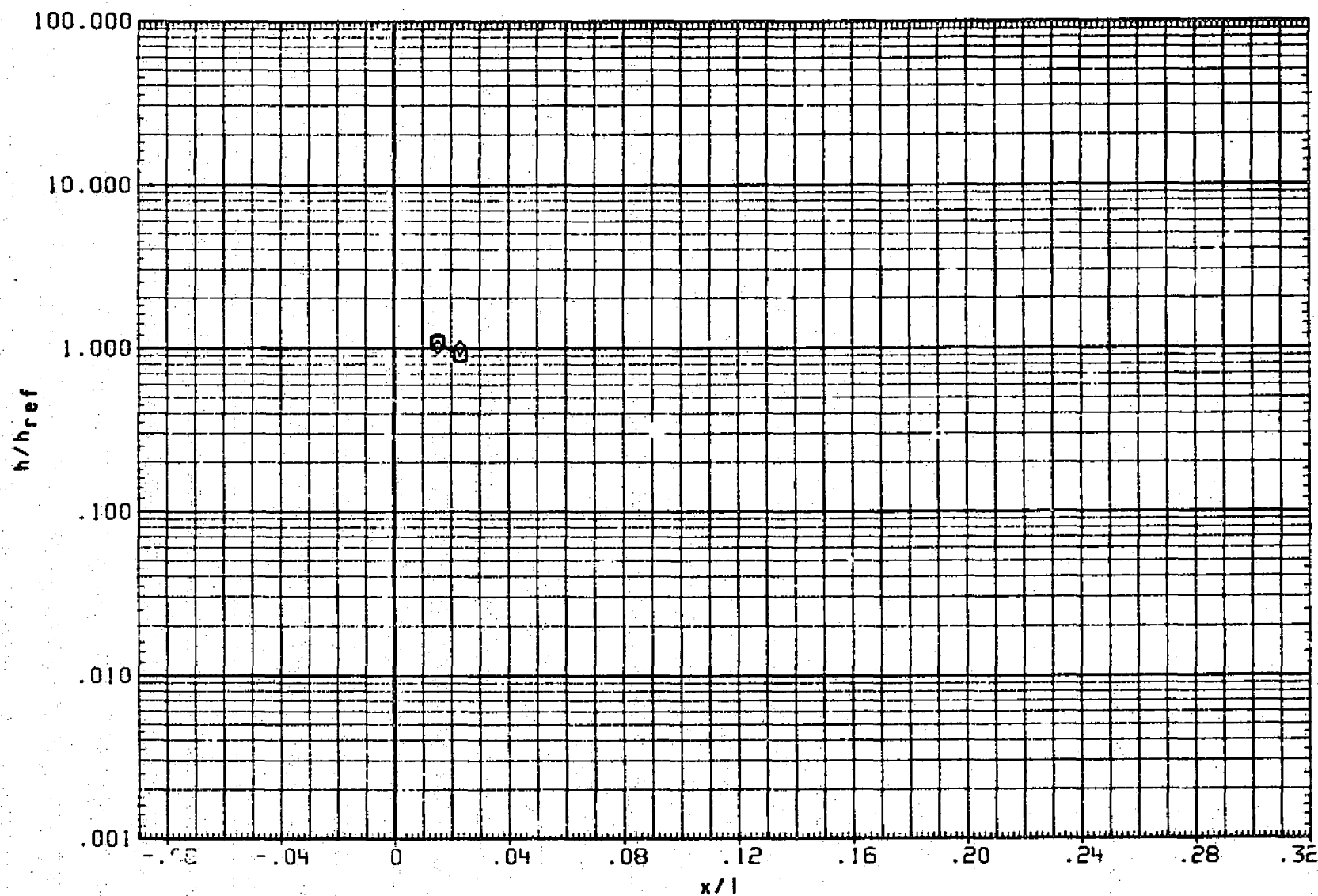


FIG. 14 TANK FOREBODY  $h/h_{ref}$  (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300     $h_{AW}/h_T$  = .900    THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(RNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

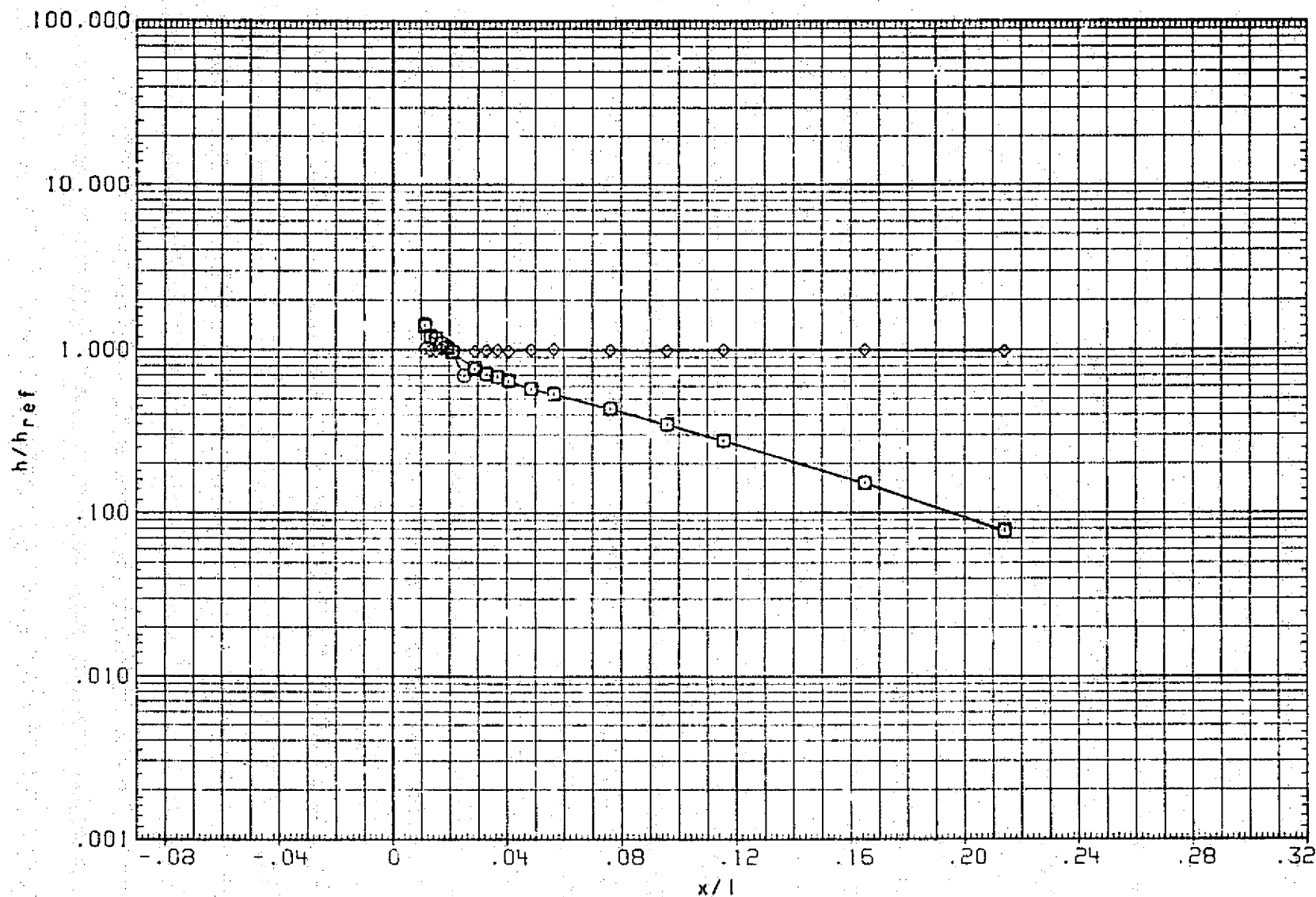


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

PAGE 873

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(RNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

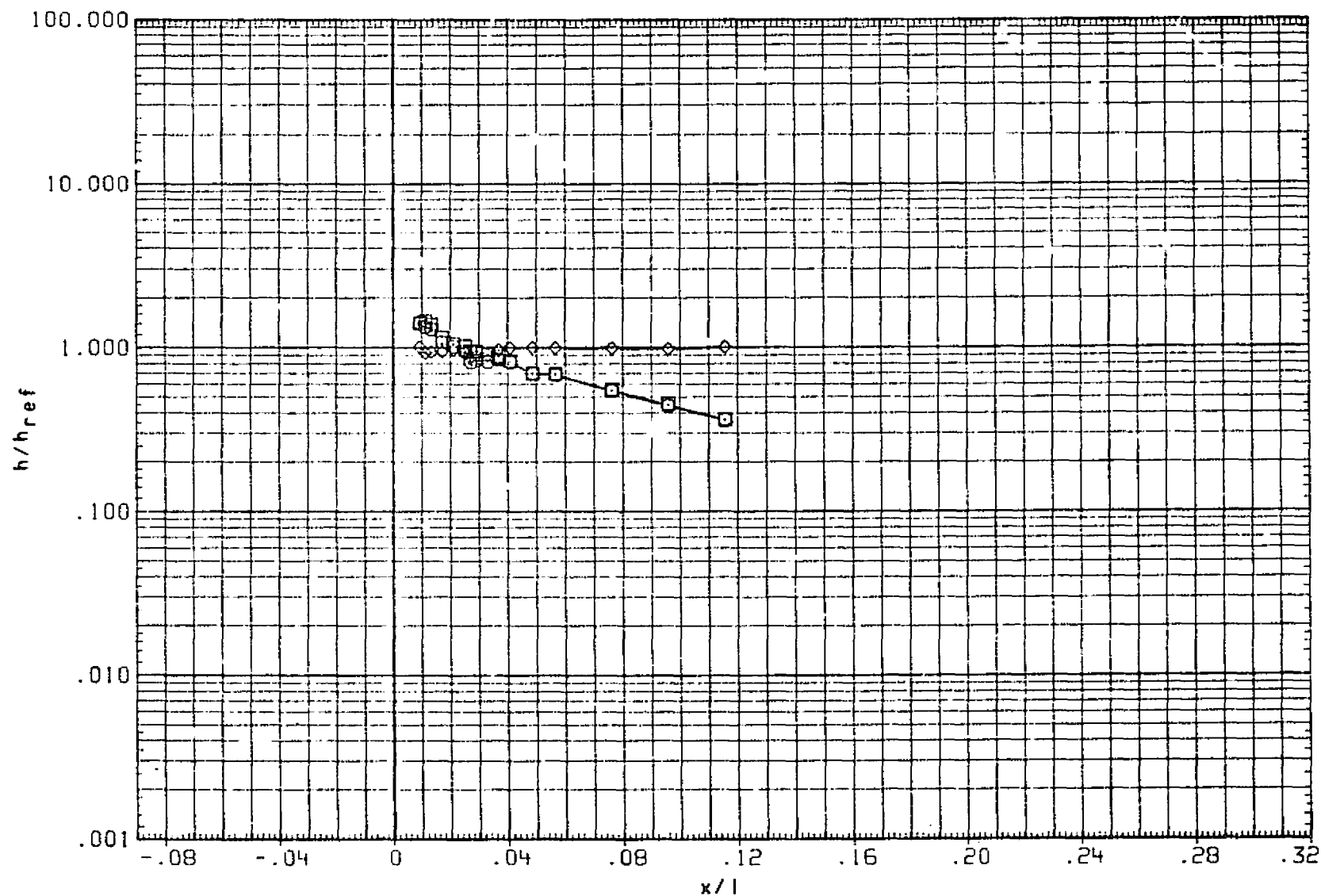


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

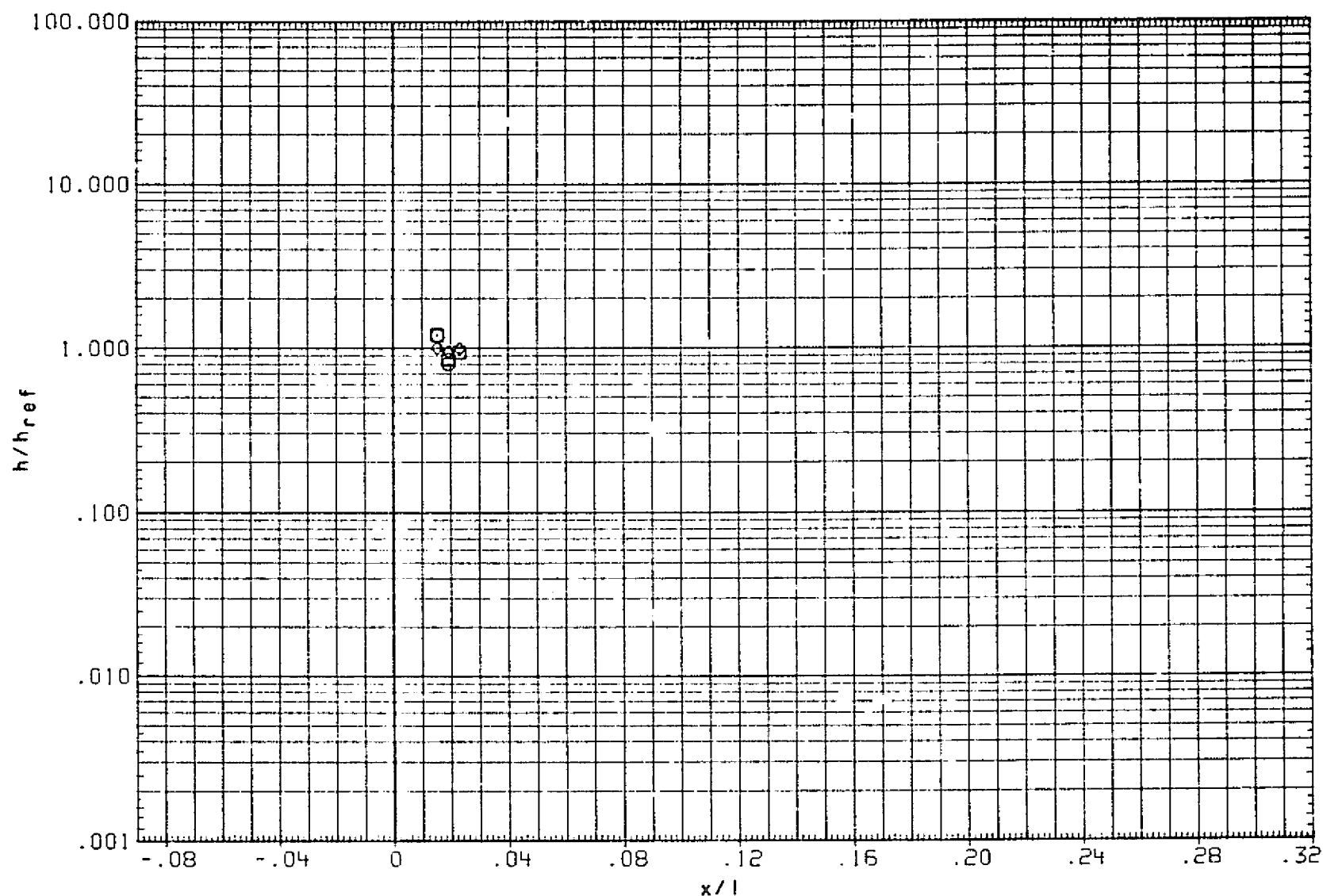


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

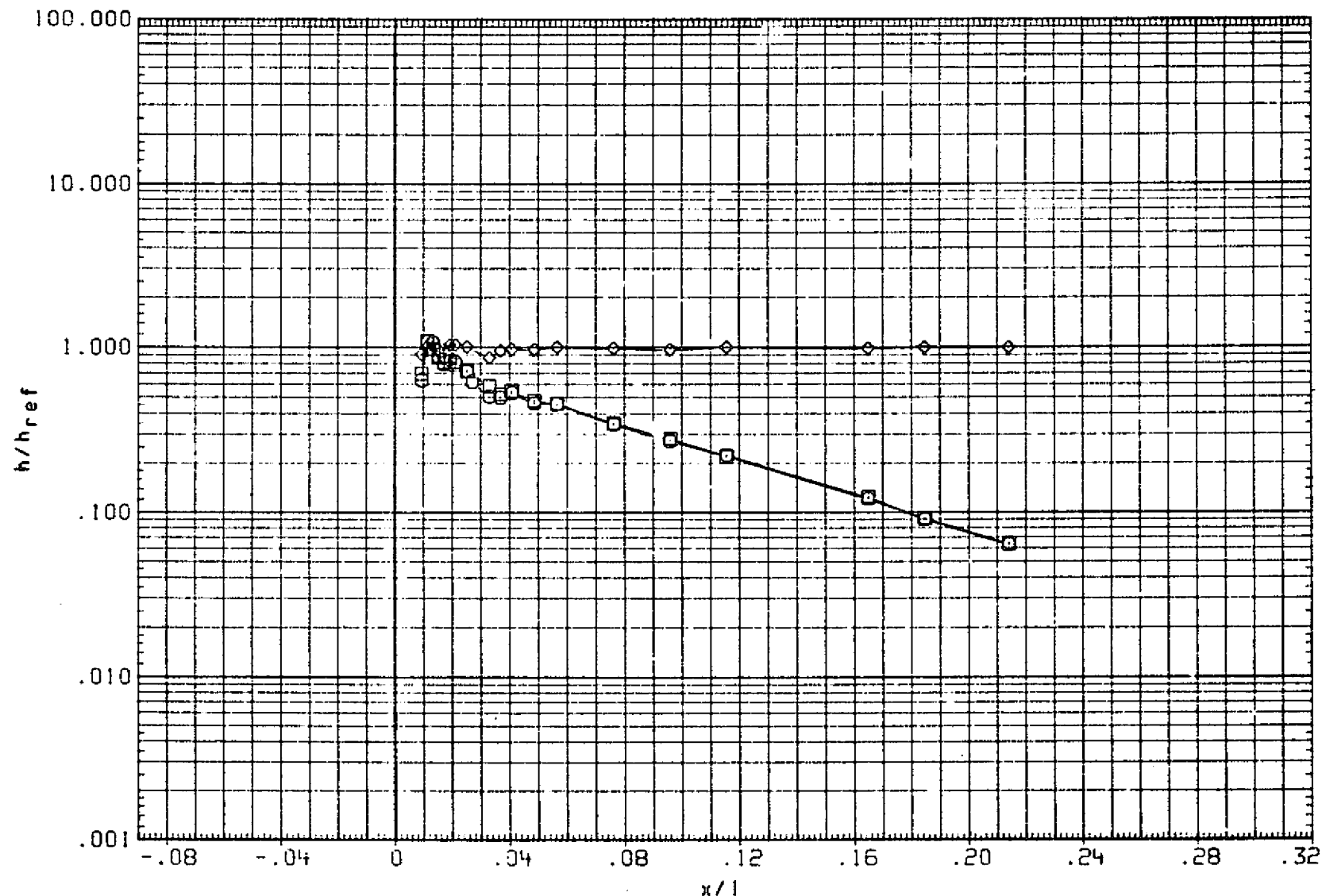


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

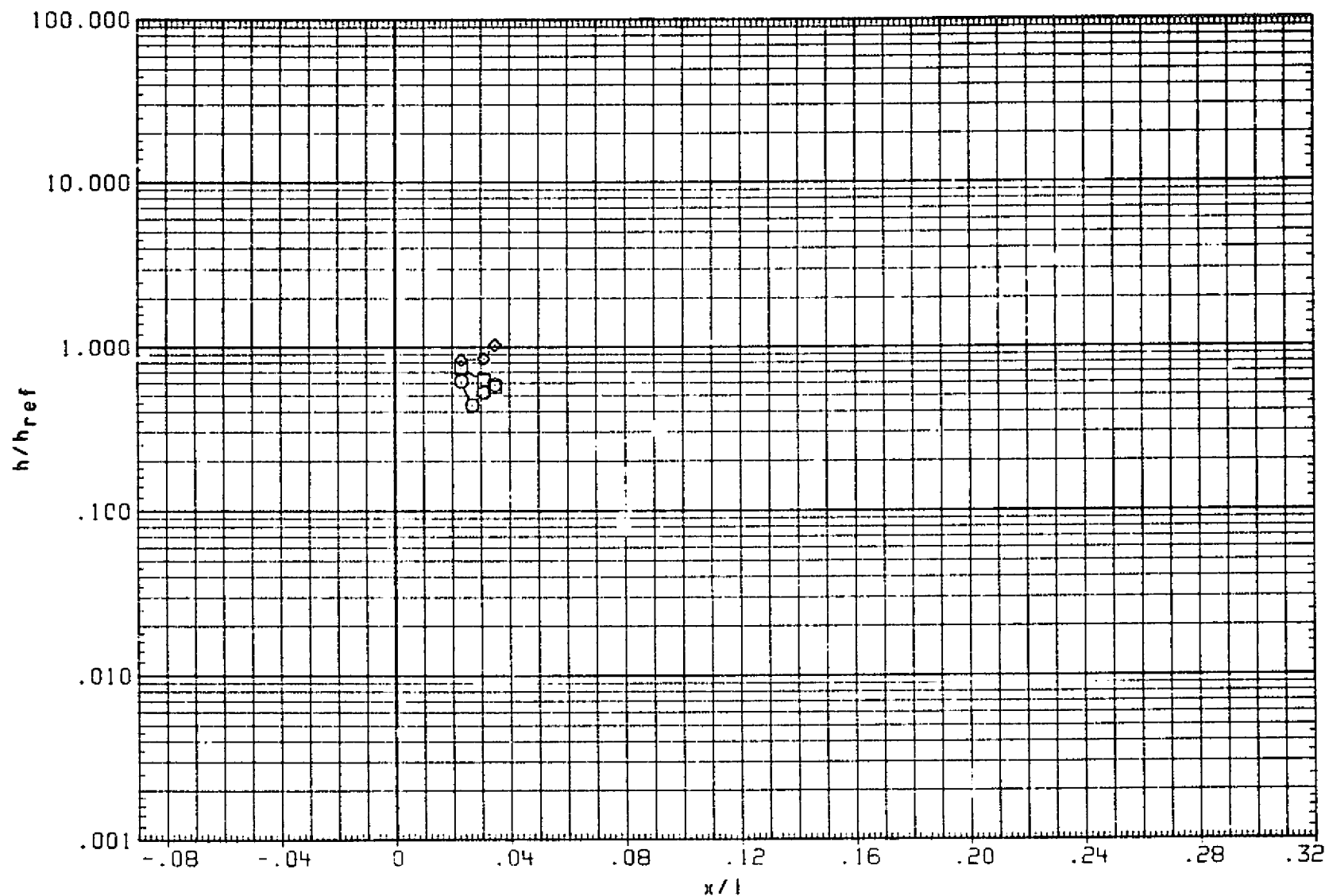


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(RNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

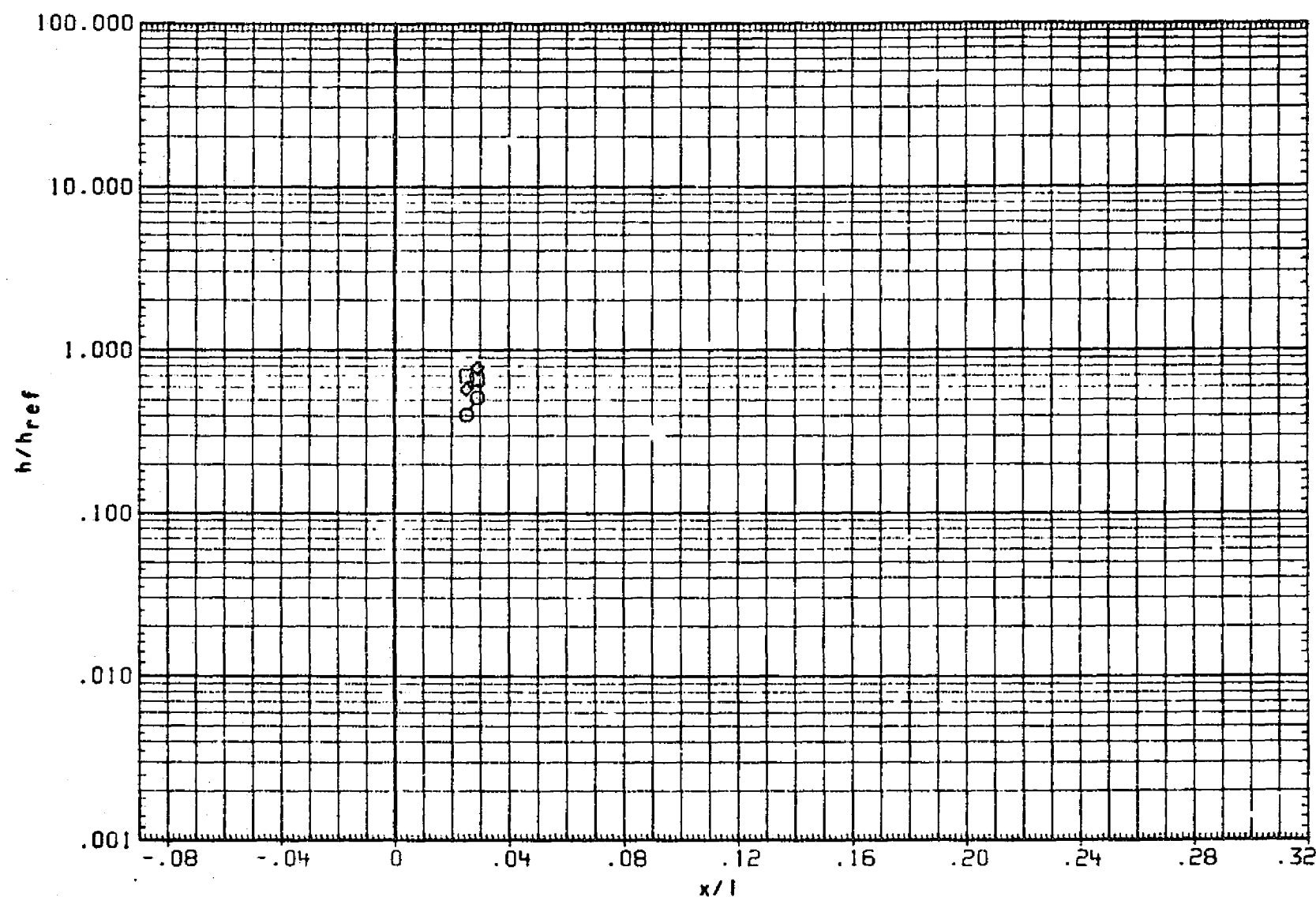


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 878

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

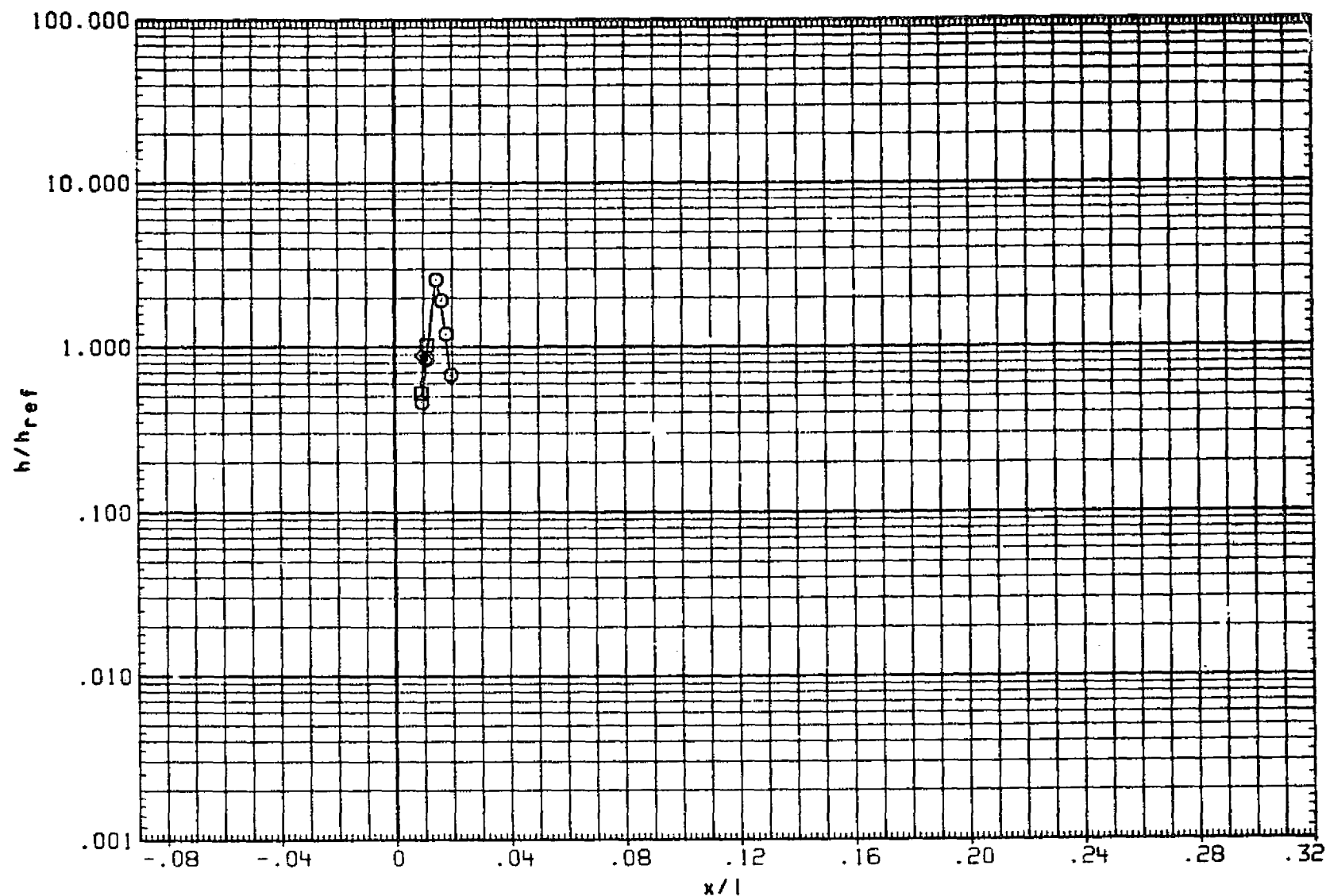


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

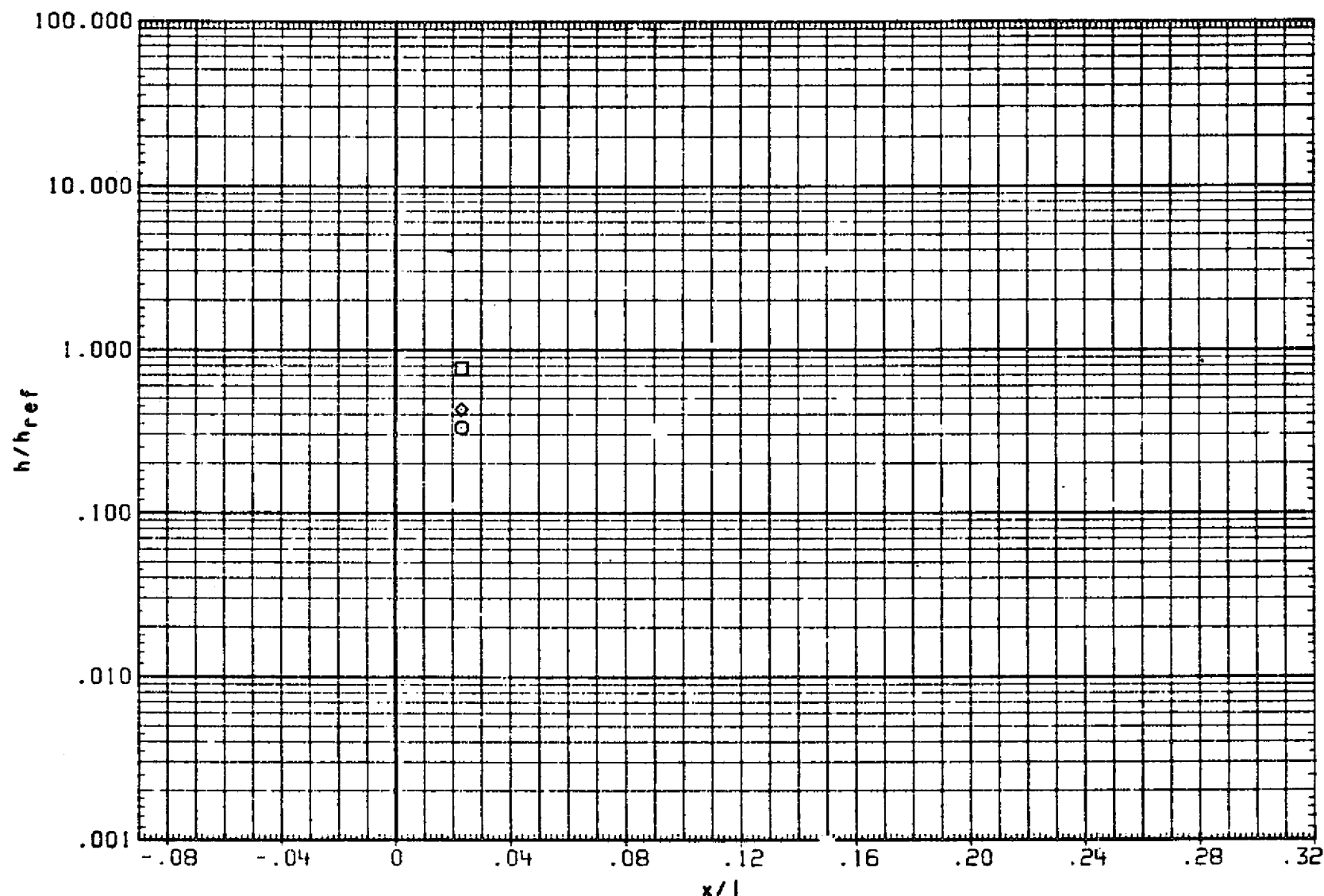


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HI)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 880

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

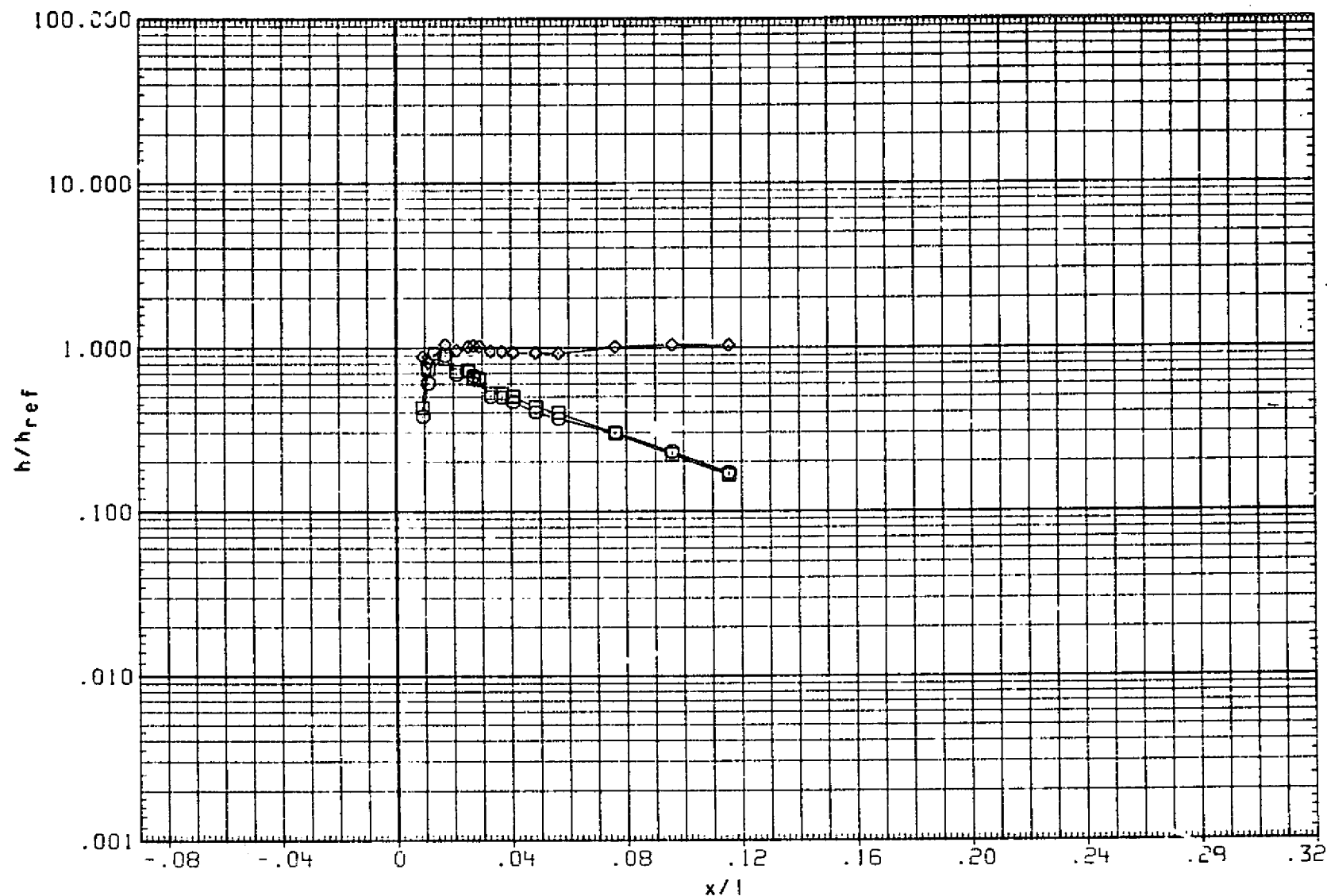


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

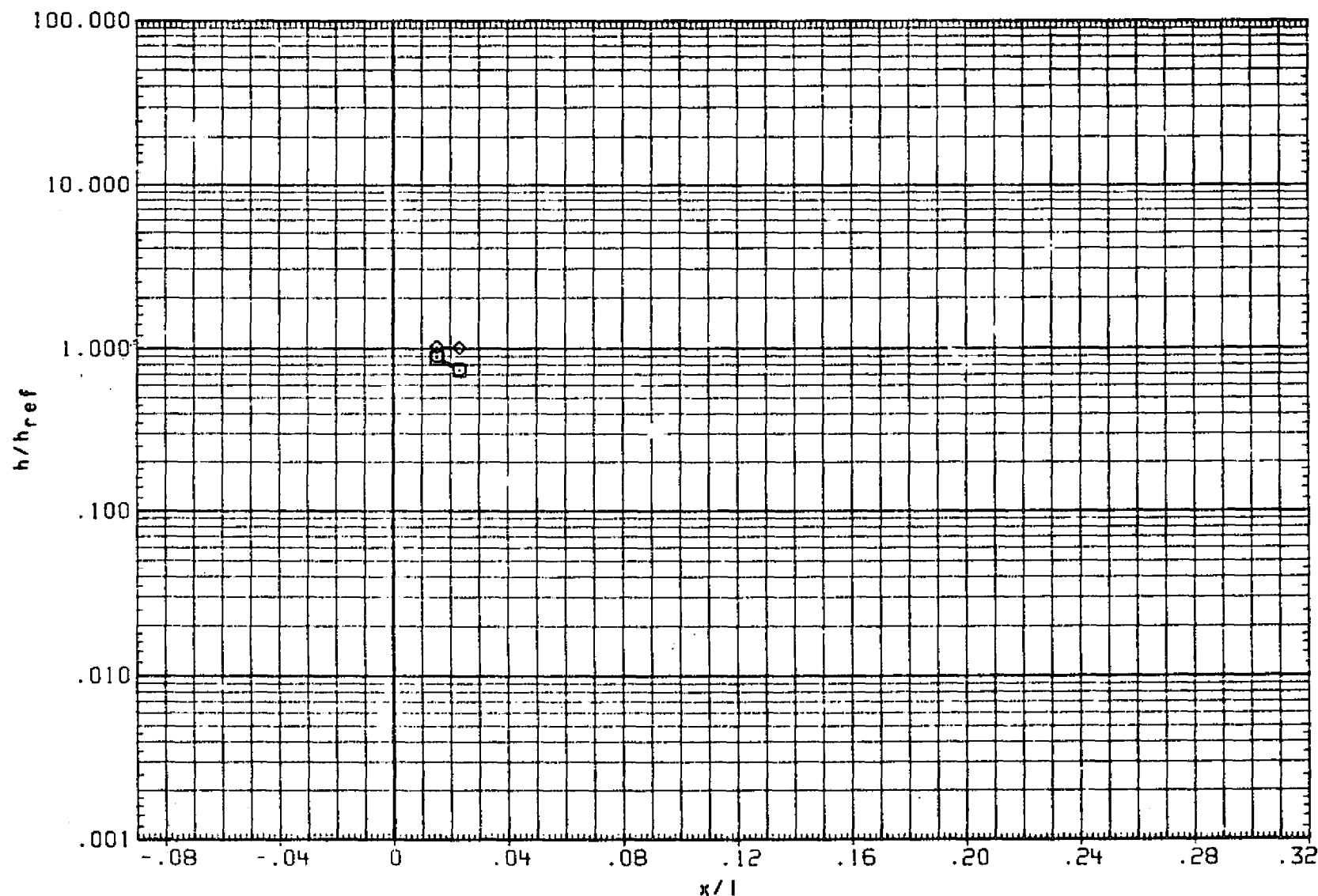


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT26)	.000	-6.000	5.000

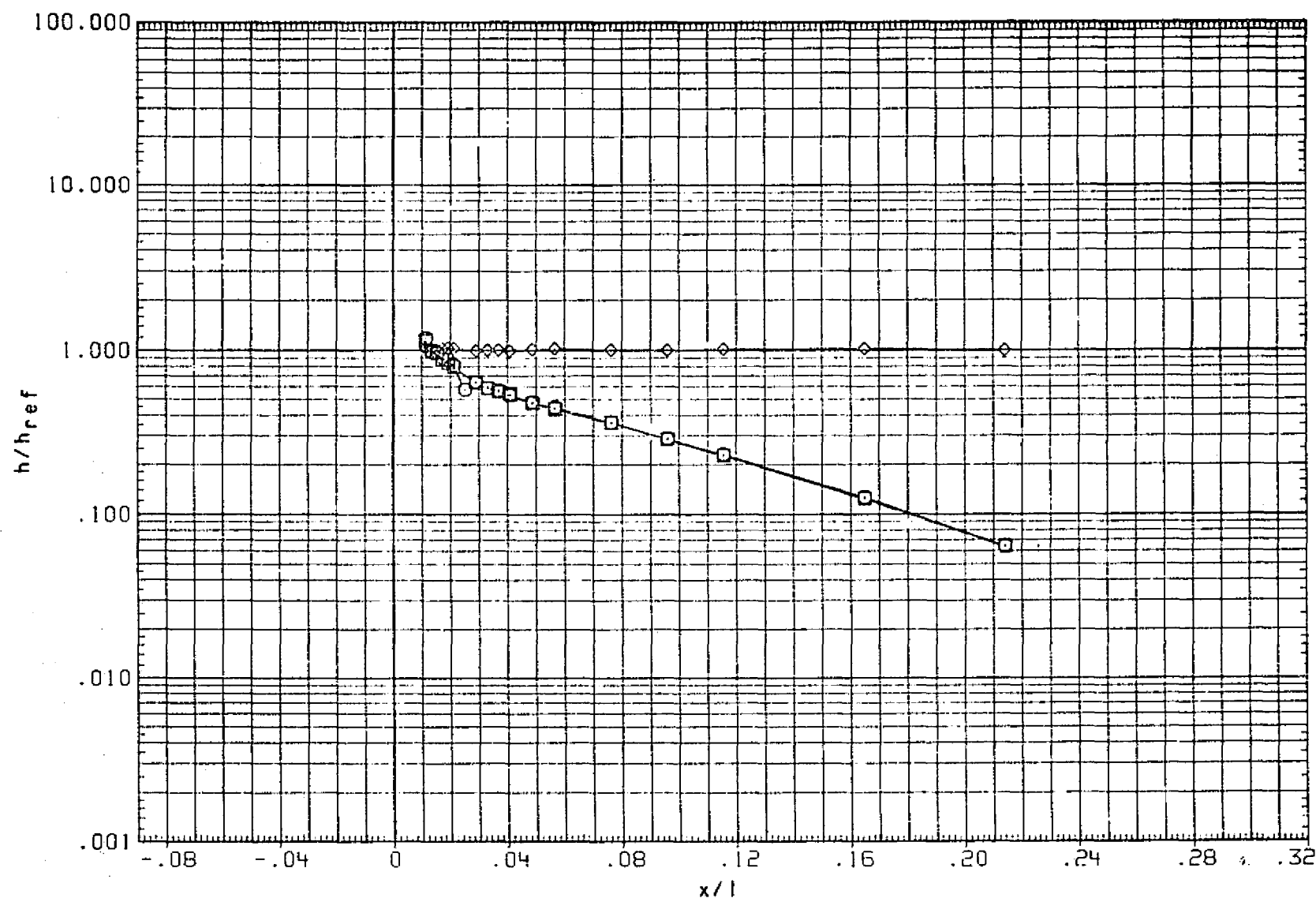


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

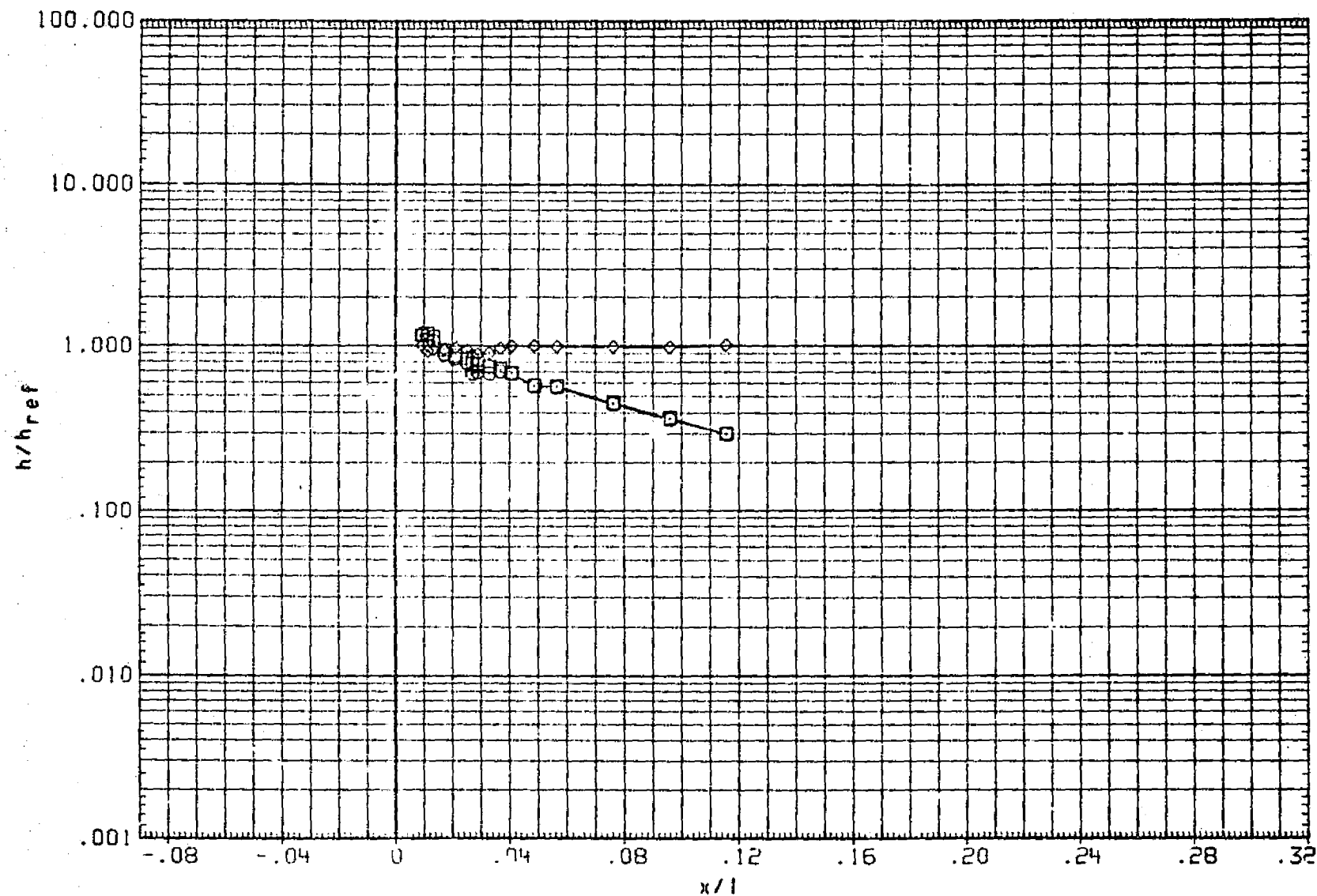


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 884

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT26)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-6.000	5.000
(BNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT26)	.000	-6.000	5.000

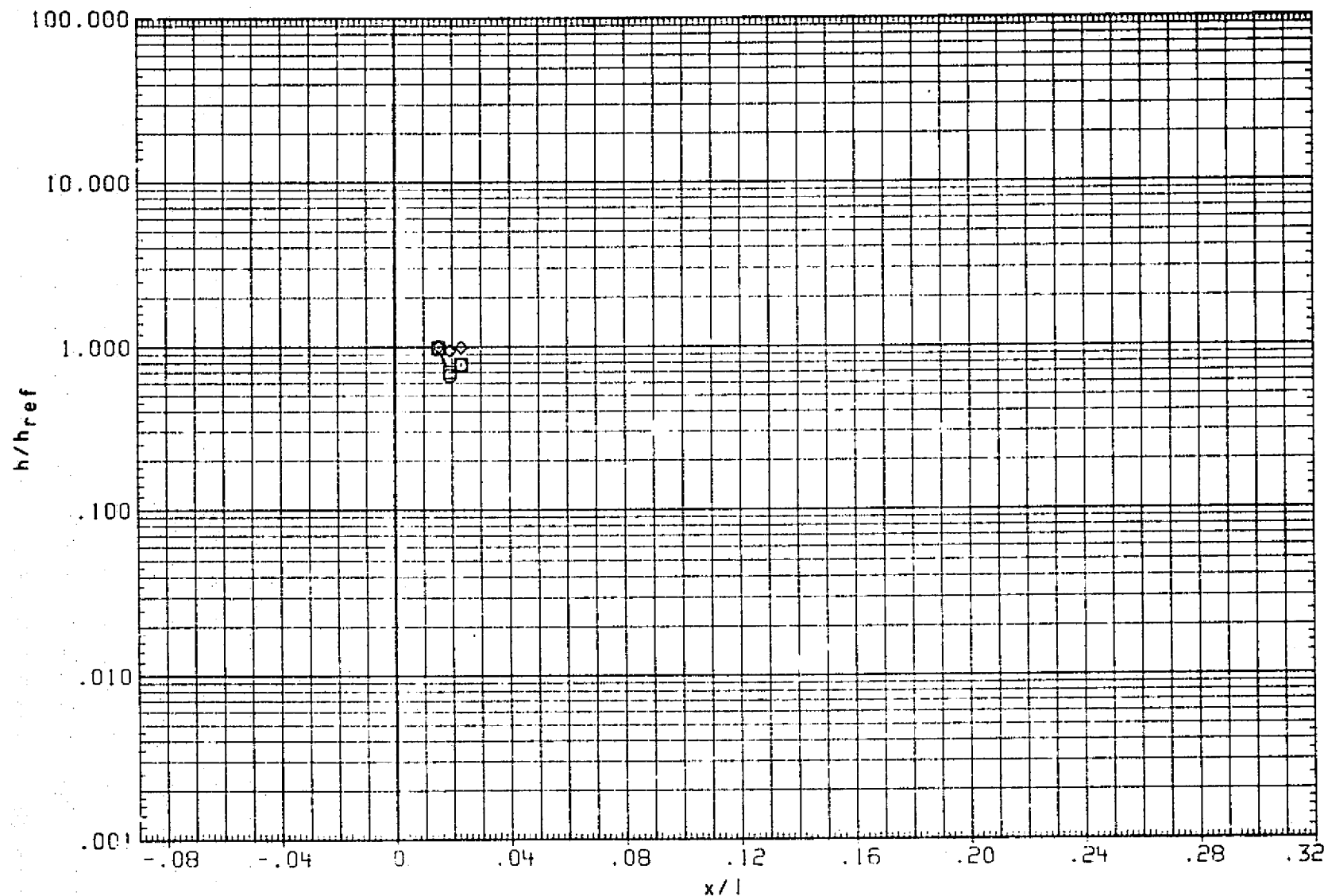


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

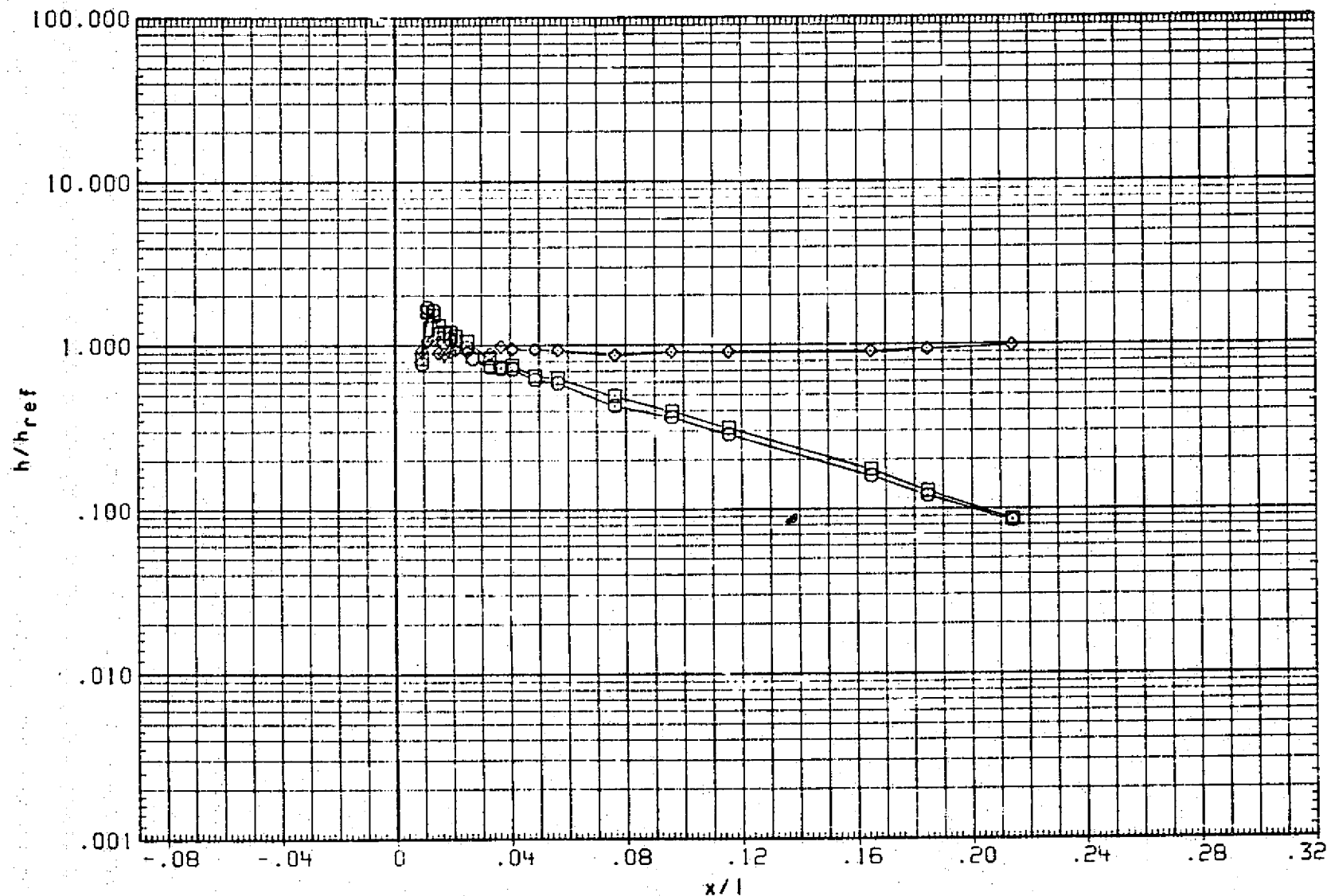


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT27)	.000	-3.000	5.000

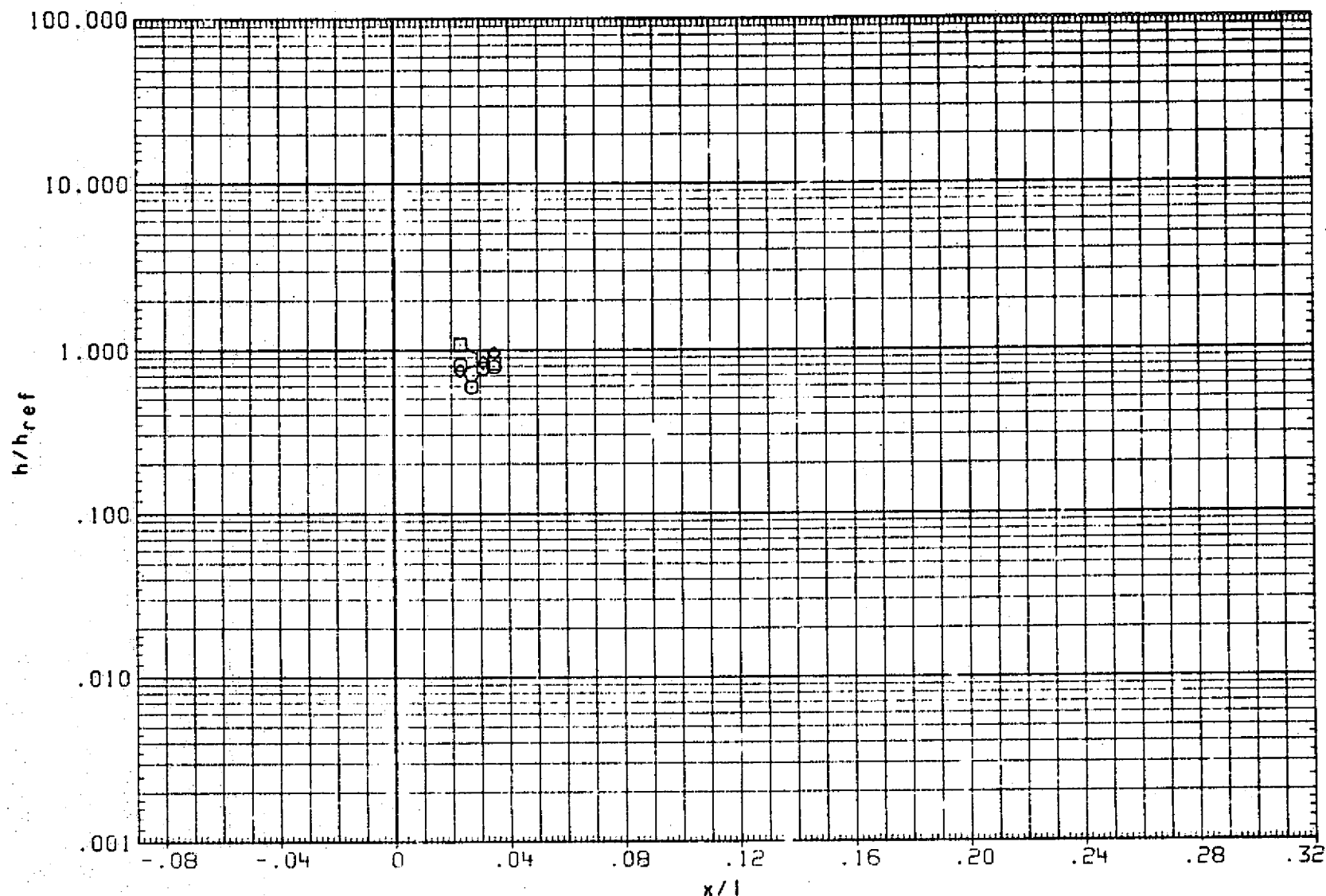


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

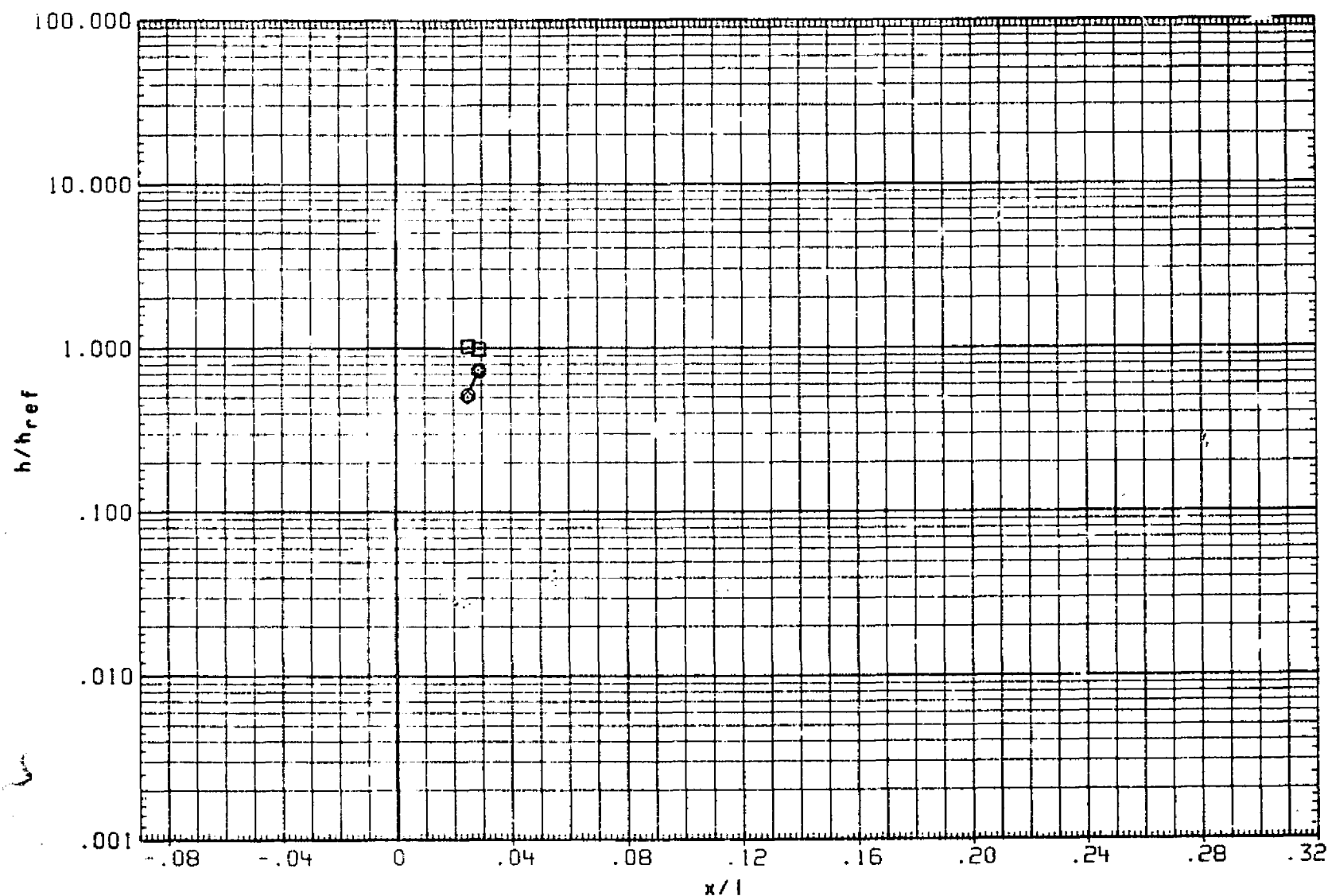


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.700 HAM/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

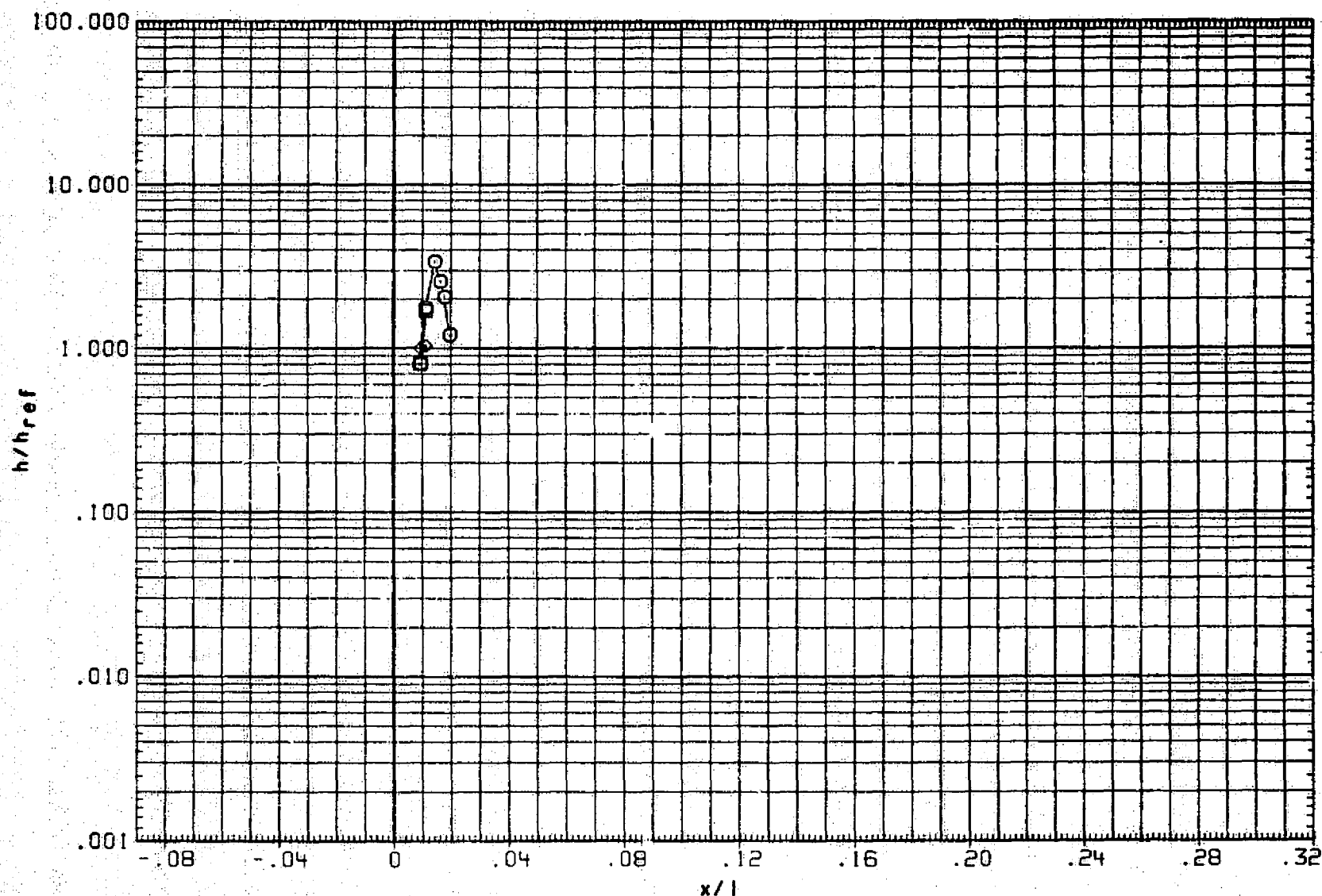


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(RNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

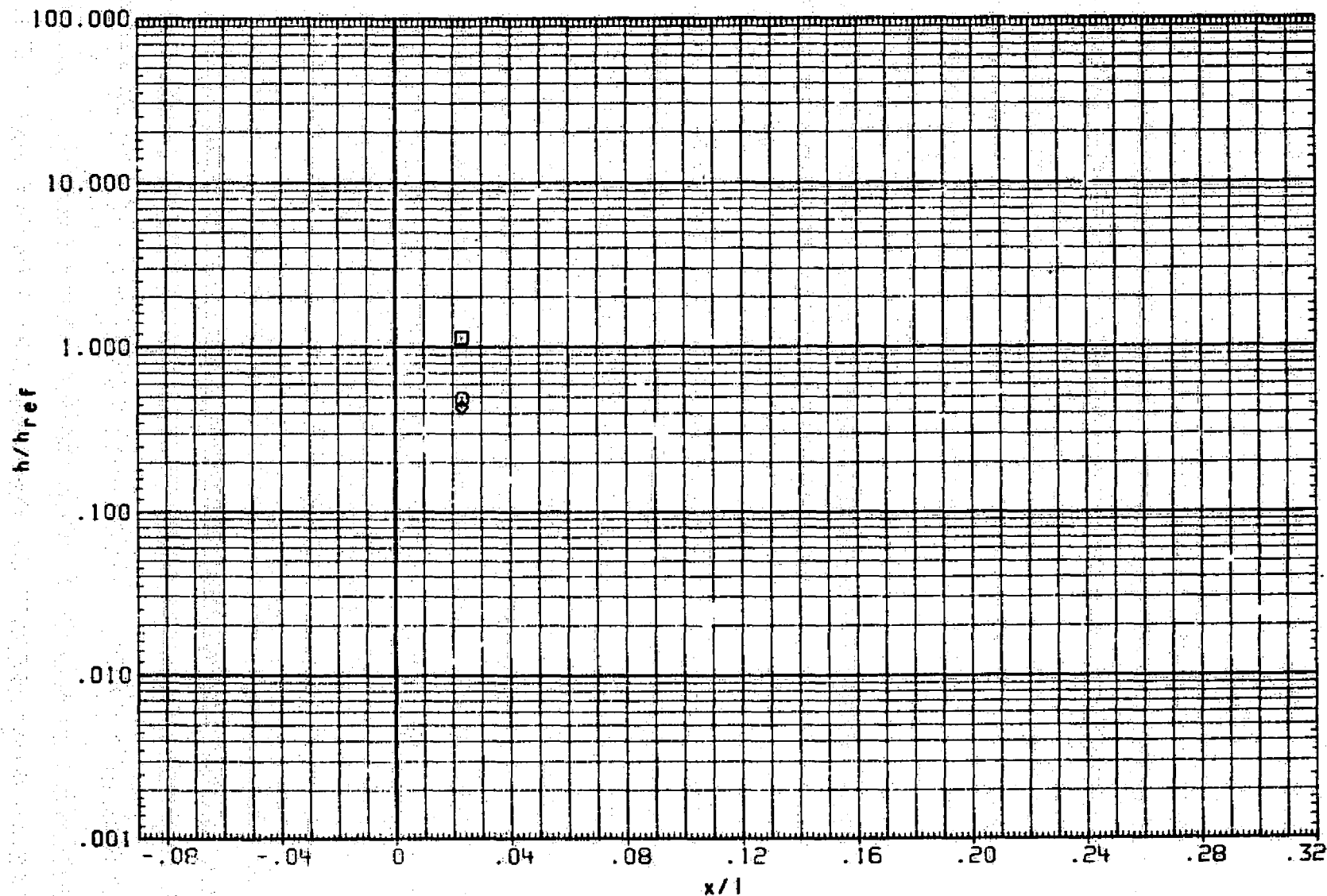


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 890

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

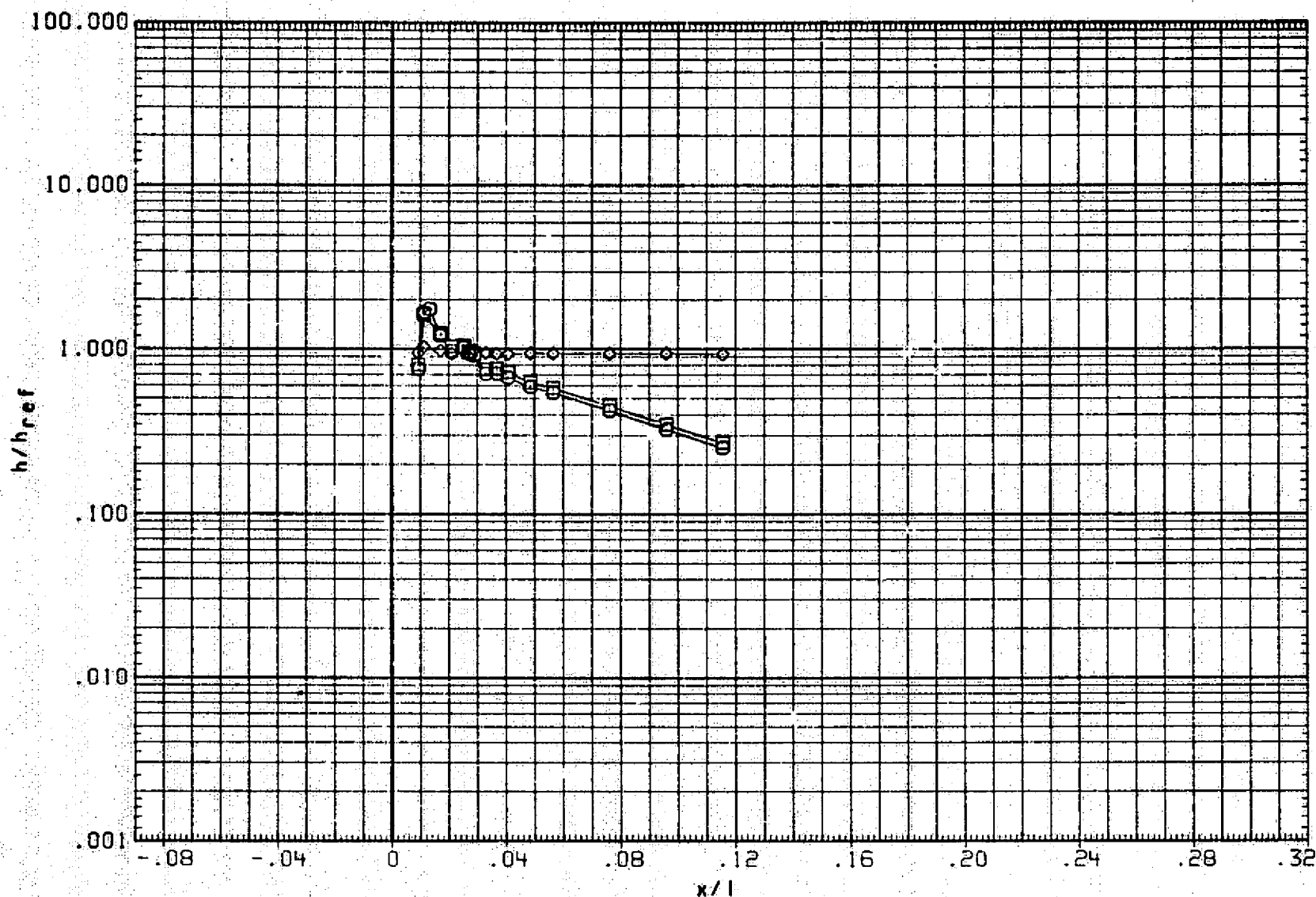


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 891

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(RNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

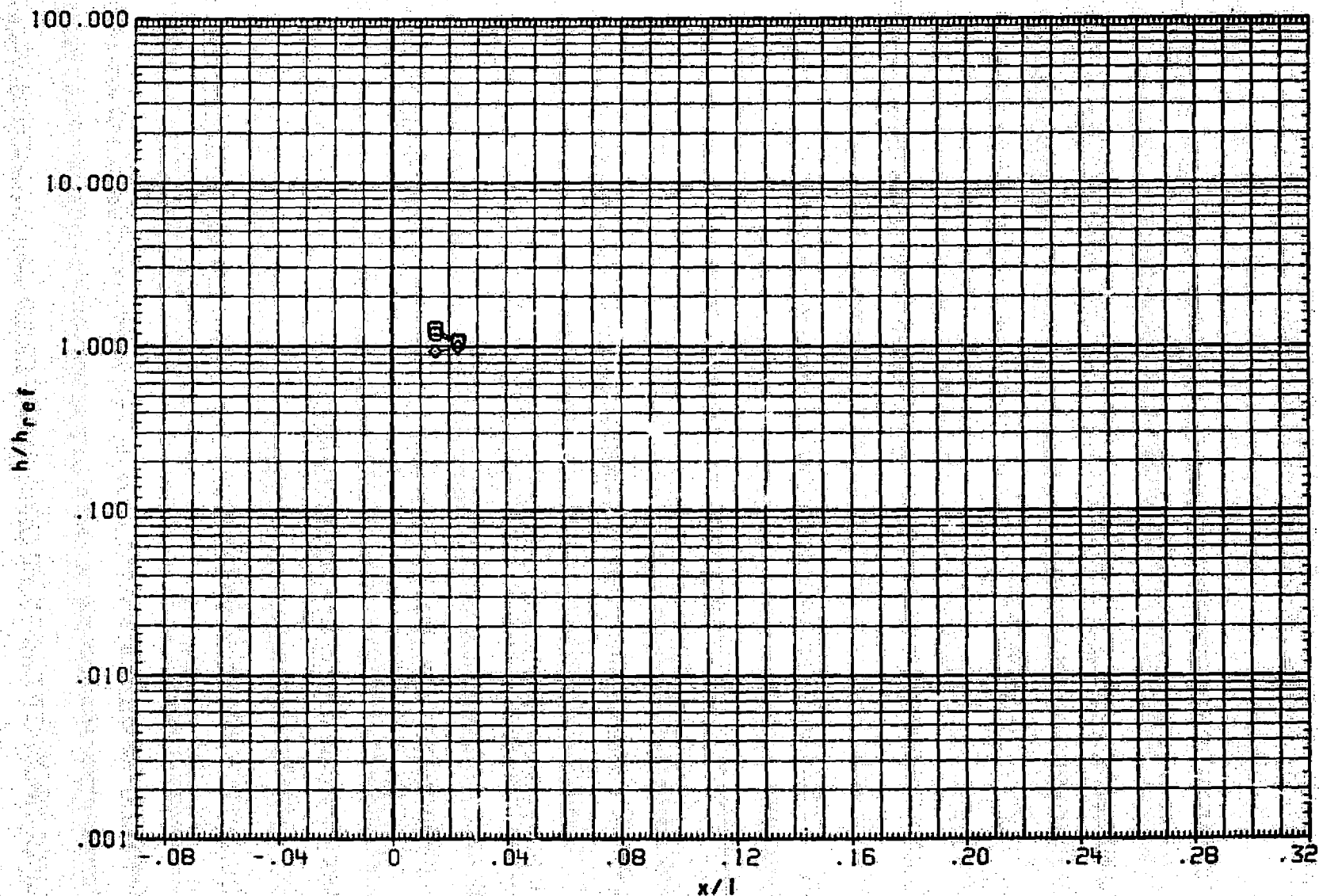


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 892

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT10)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT27)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)

ALPHA	BETA	RN/L
.000	-3.000	5.000
.000	-3.000	5.000
.000	-3.000	5.000

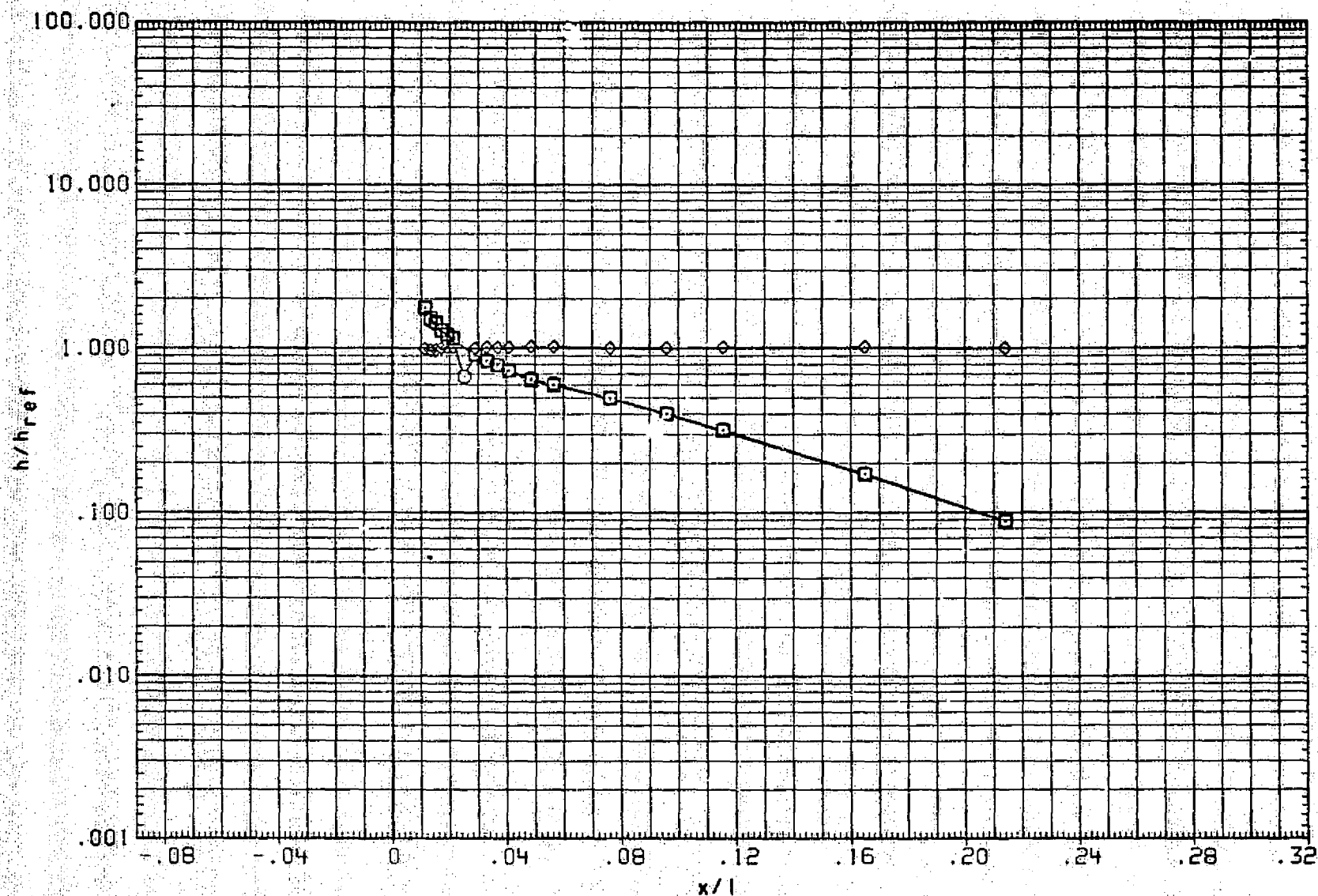


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = . 5.300 HAW/HT = . 850 THETA = 180.000

PAGE 893



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(RNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

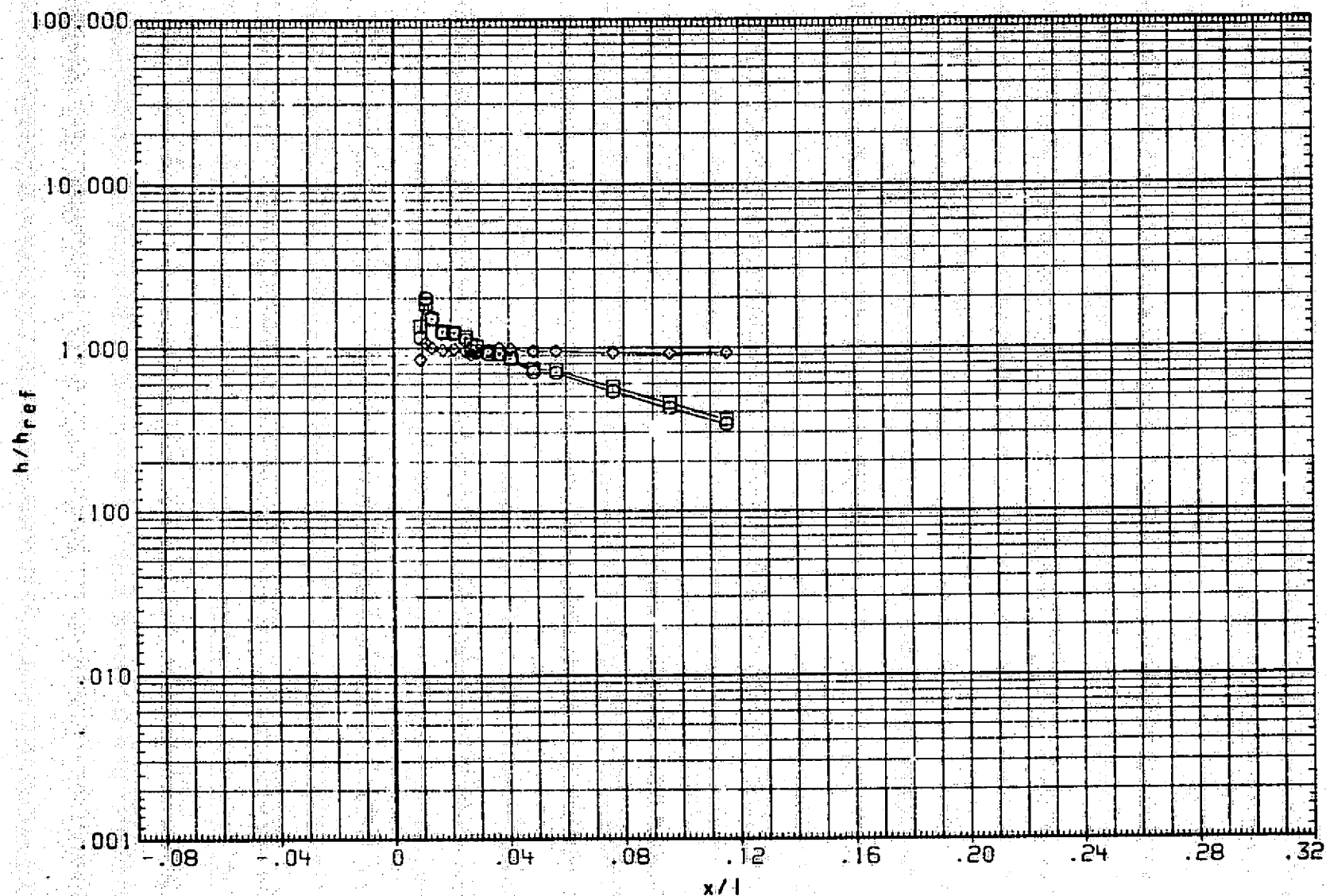


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT10)	○	ARC3.5-215(FH14)110/40: CONE/OGIVE ET NOSE+PROTUB
(RNTT27)	□	ARC3.5-215(FH14)110/40: CONE/OGIVE ET NOSE (CLEAN)
(RNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)

ALPHA	BETA	RN/L
.000	-3.000	5.000
.000	-3.000	5.000
.000	-3.000	5.000

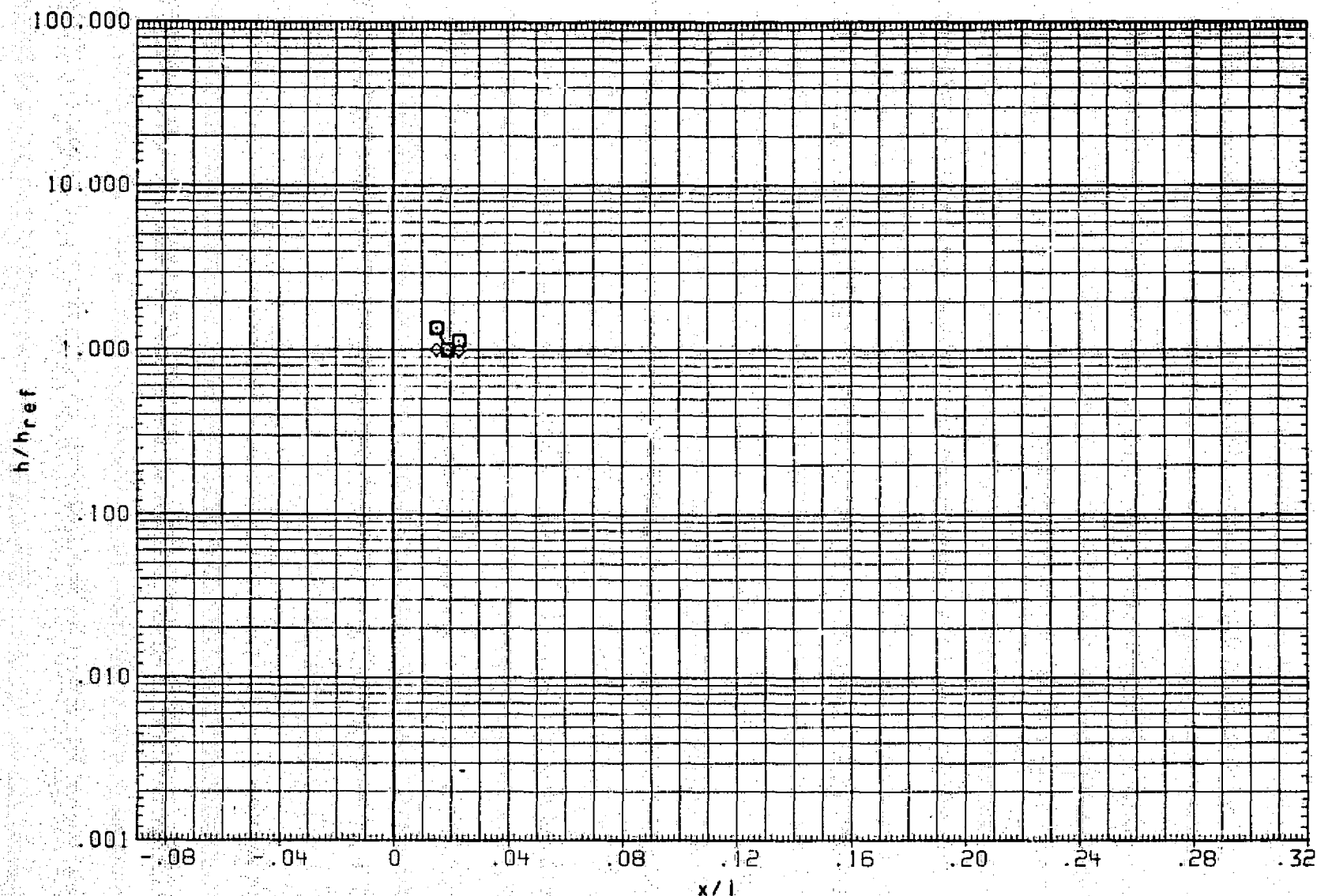


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)

ALPHA	BETA	RN/L
.000	-3.000	5.000
.000	-3.000	5.000
.000	-3.000	5.000

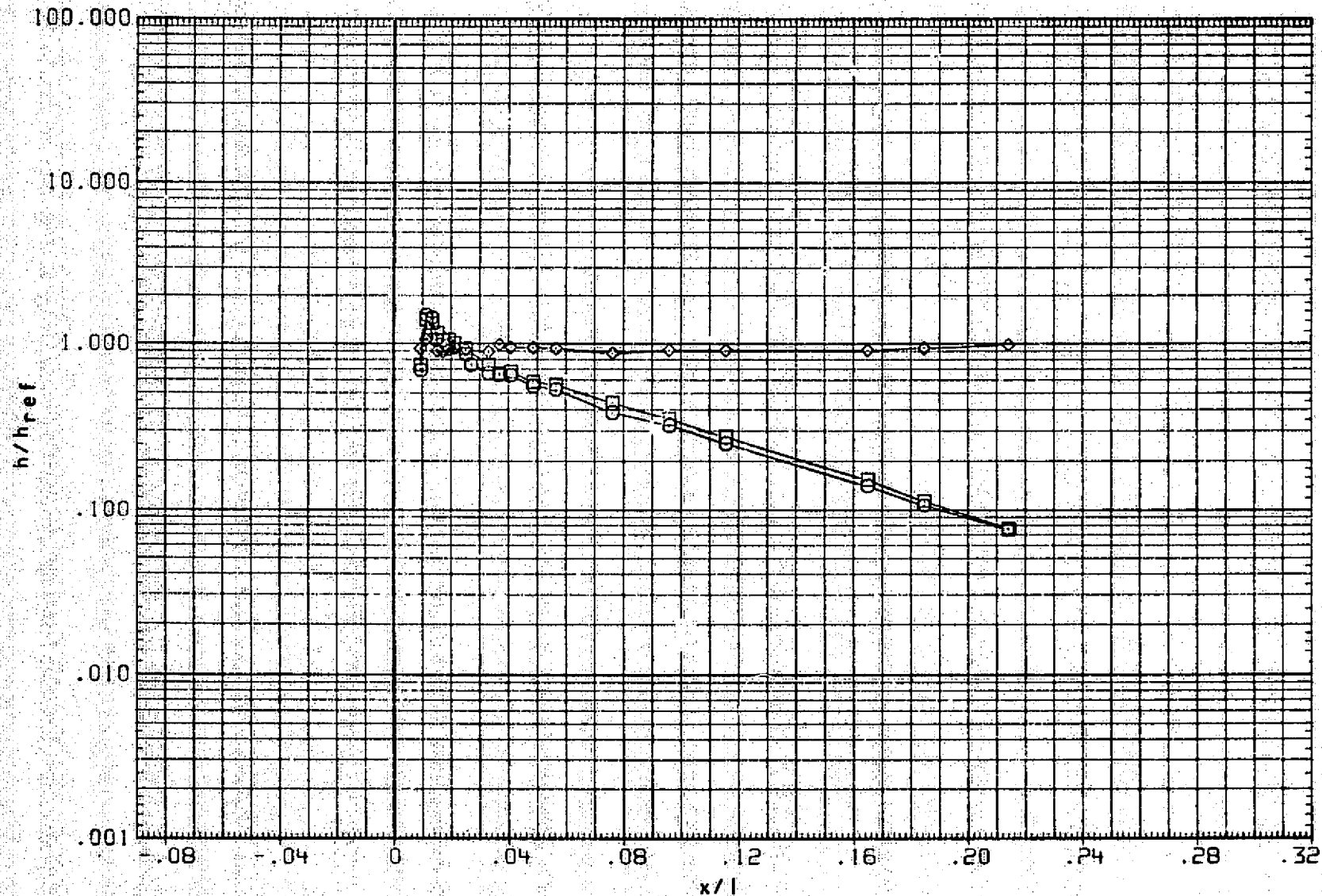


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

PAGE 896

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(RNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

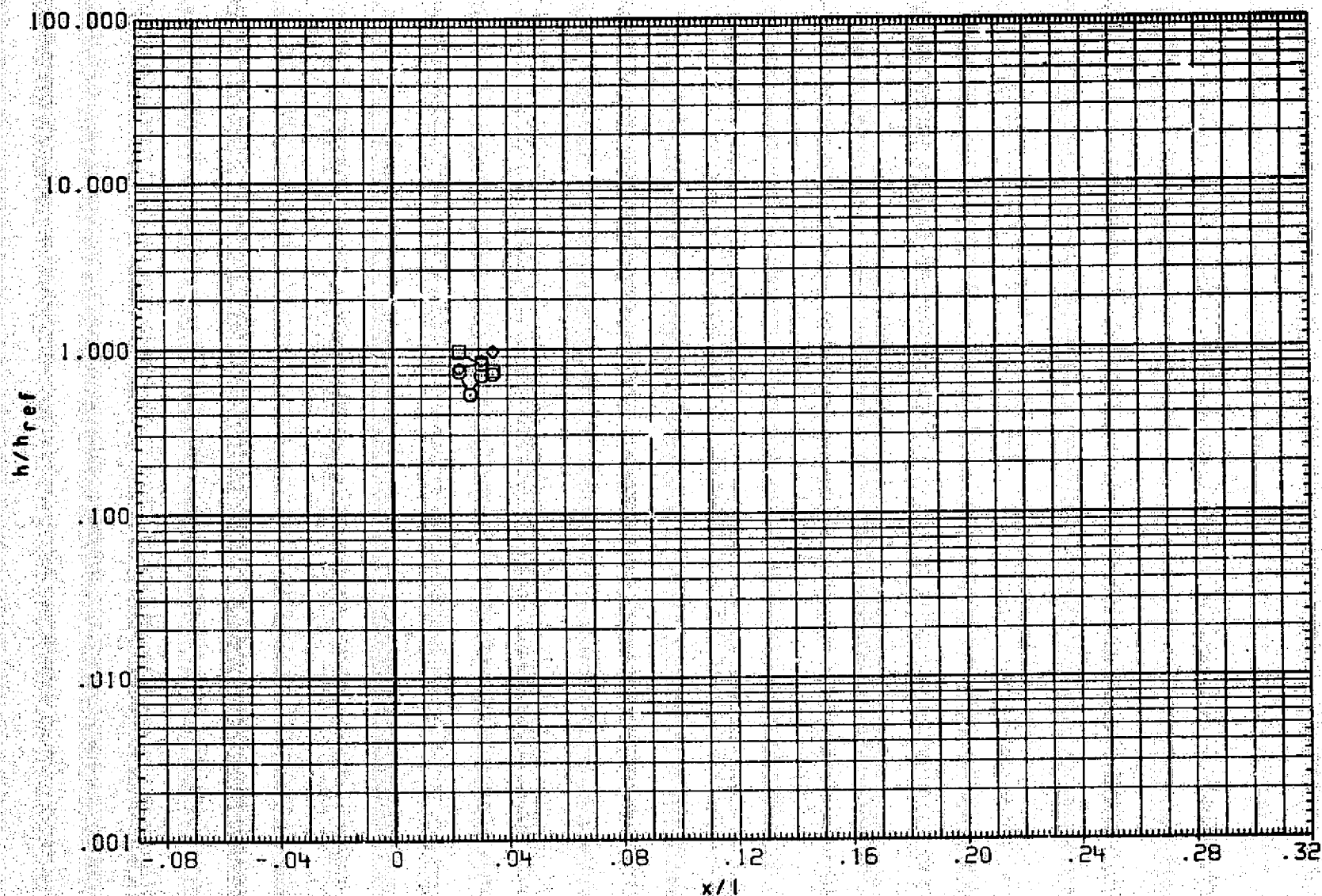


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT10)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE-PROTUB
(RNTT27)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)

ALPHA	BETA	RN/L
.000	-3.000	5.000
.000	-3.000	5.000
.000	-3.000	5.000

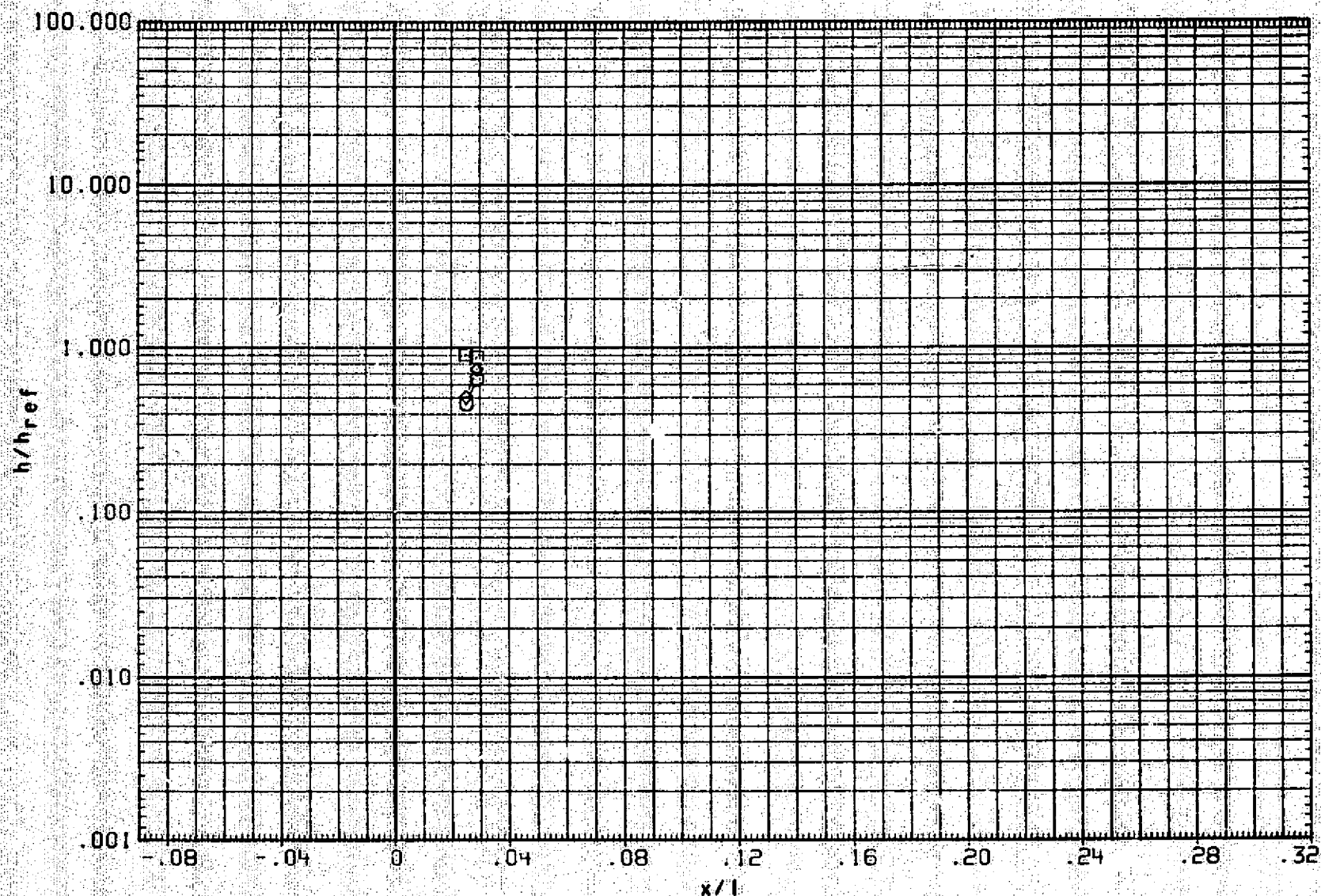


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 898

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

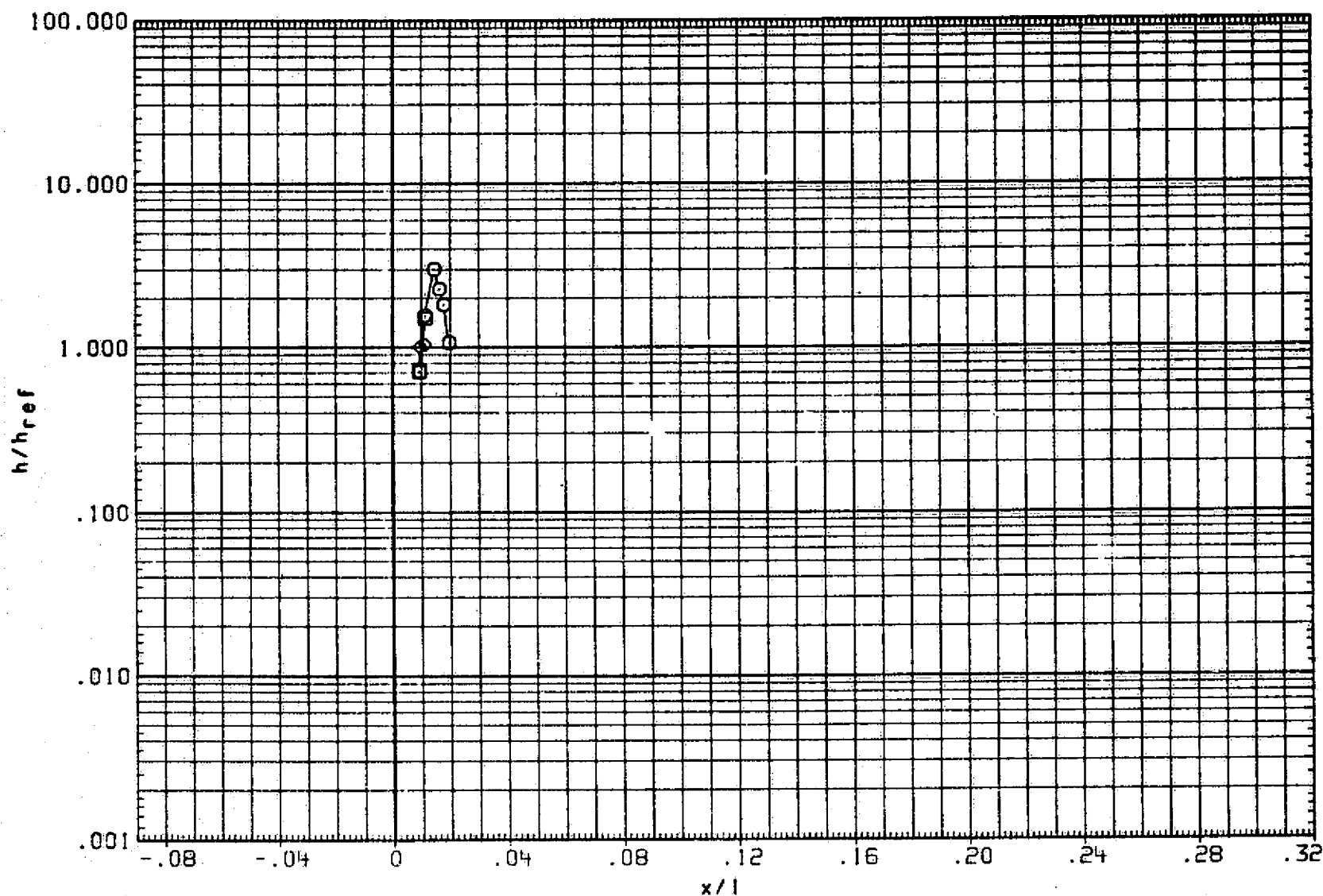


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

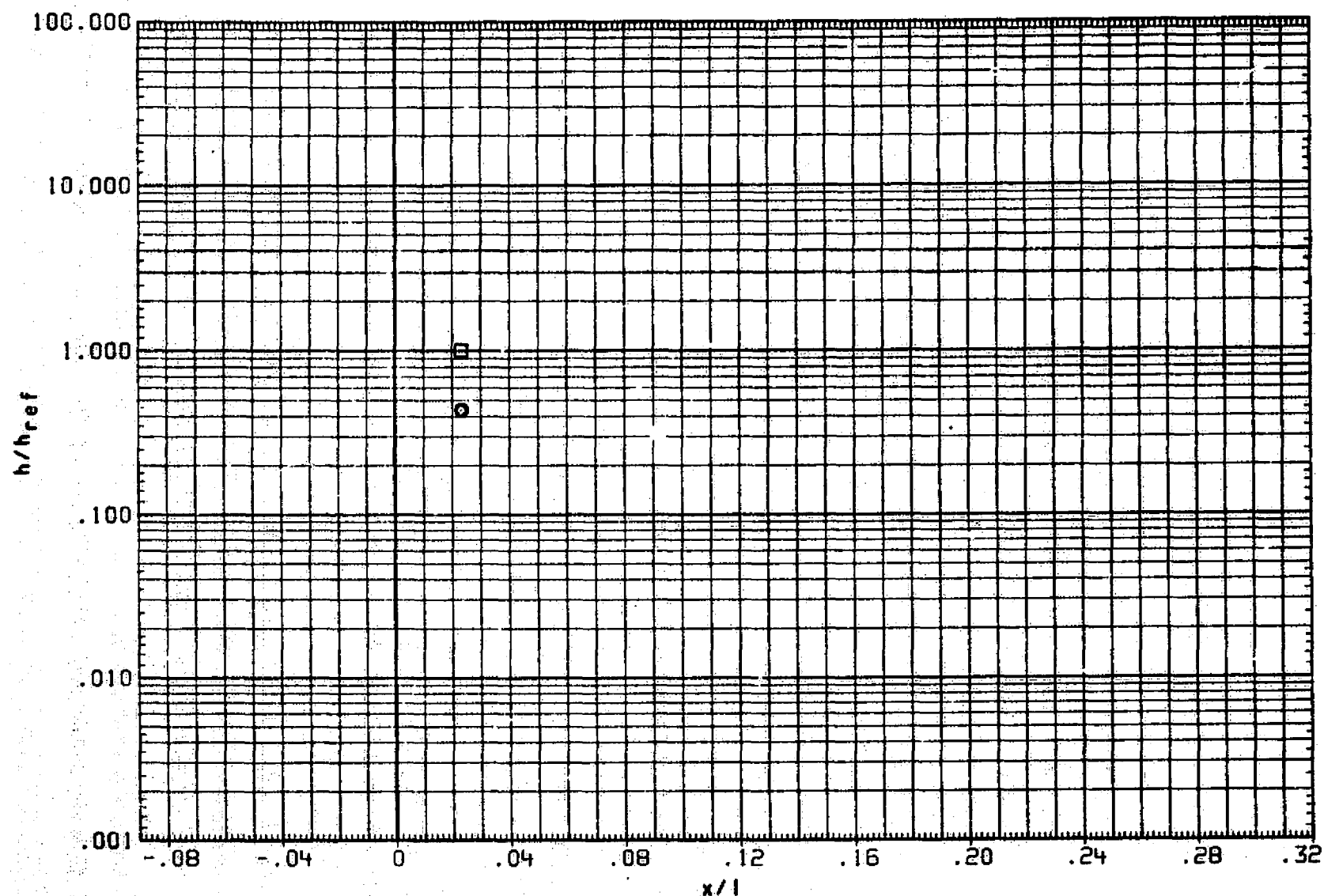


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 900

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

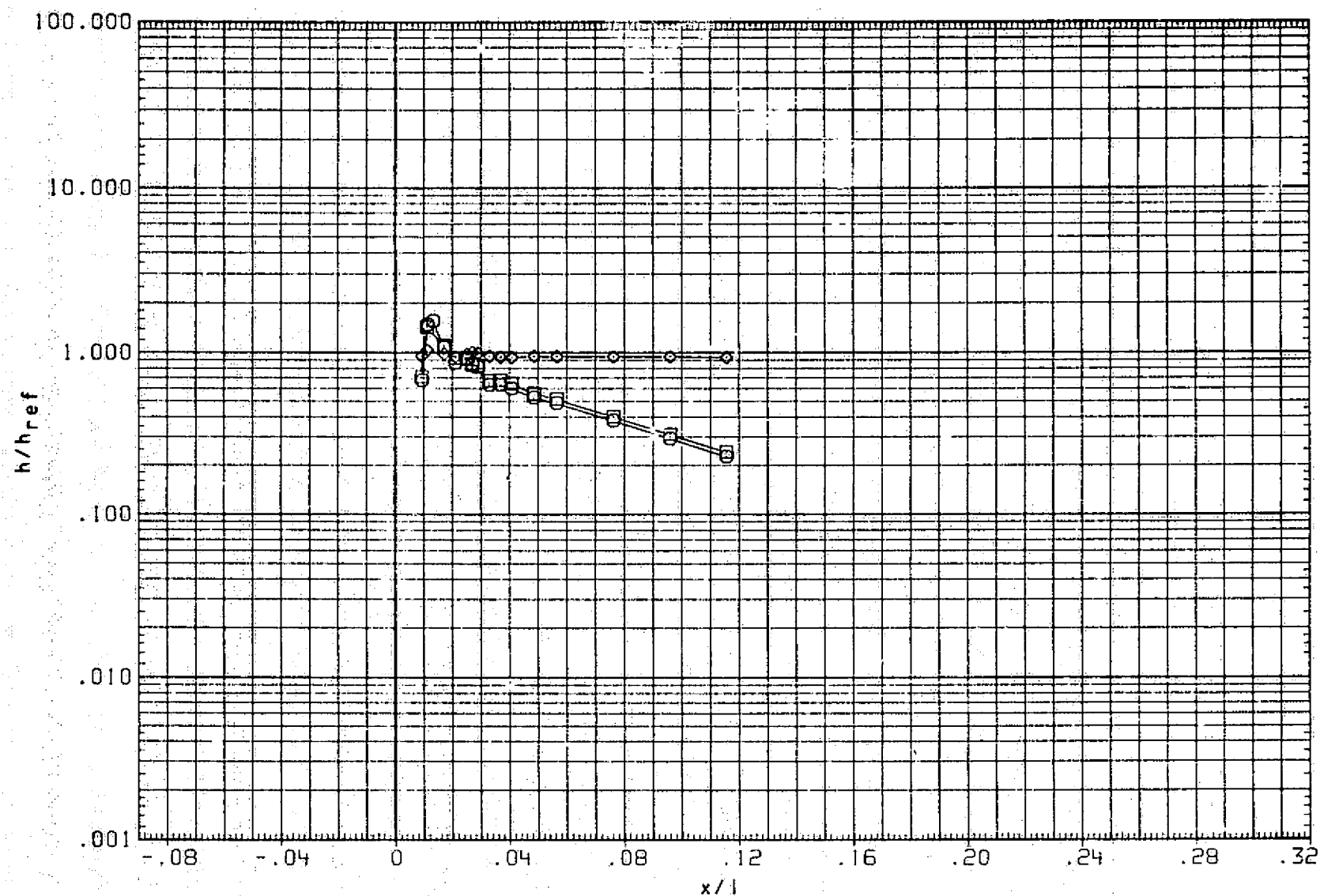


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

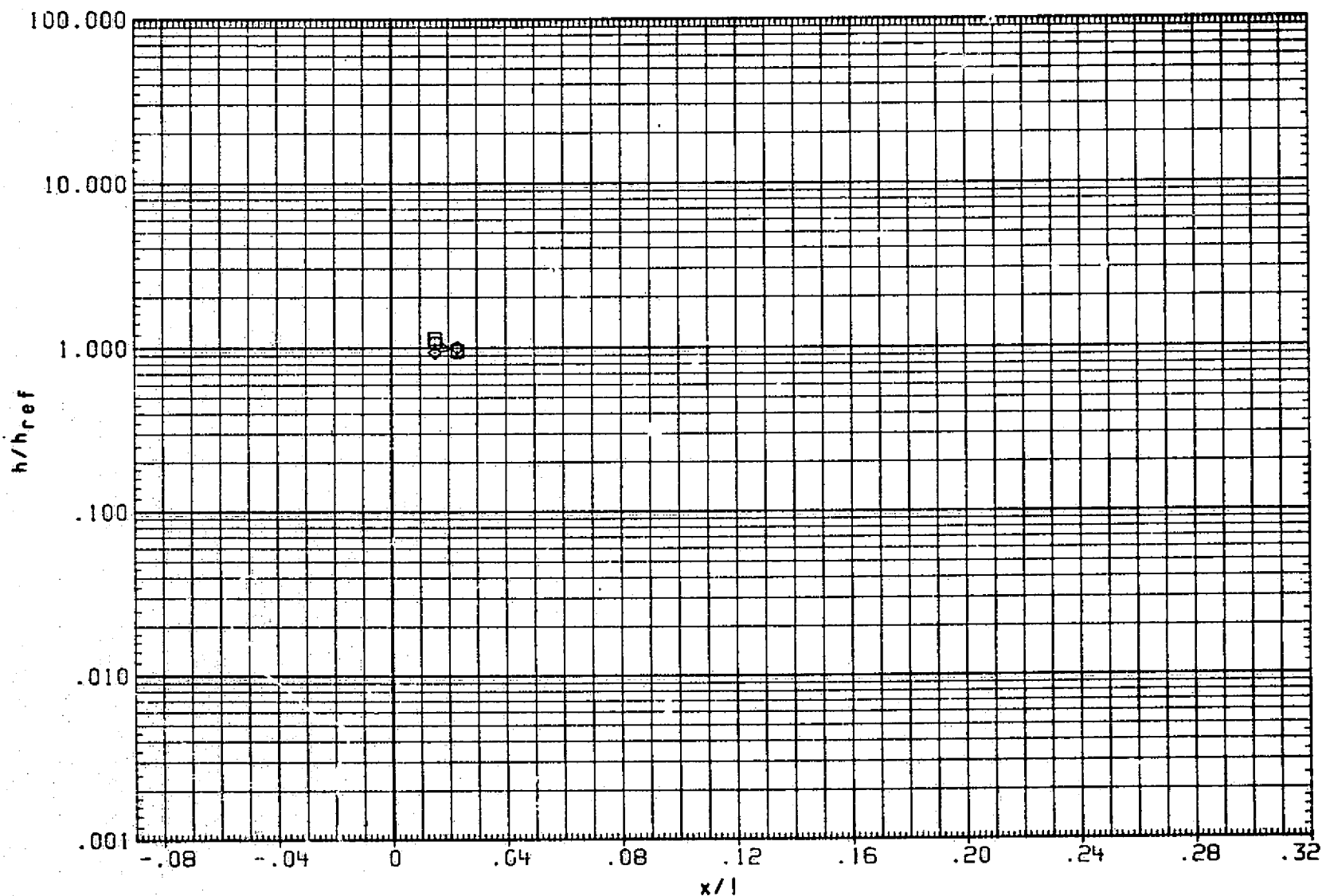


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 902

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(RNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

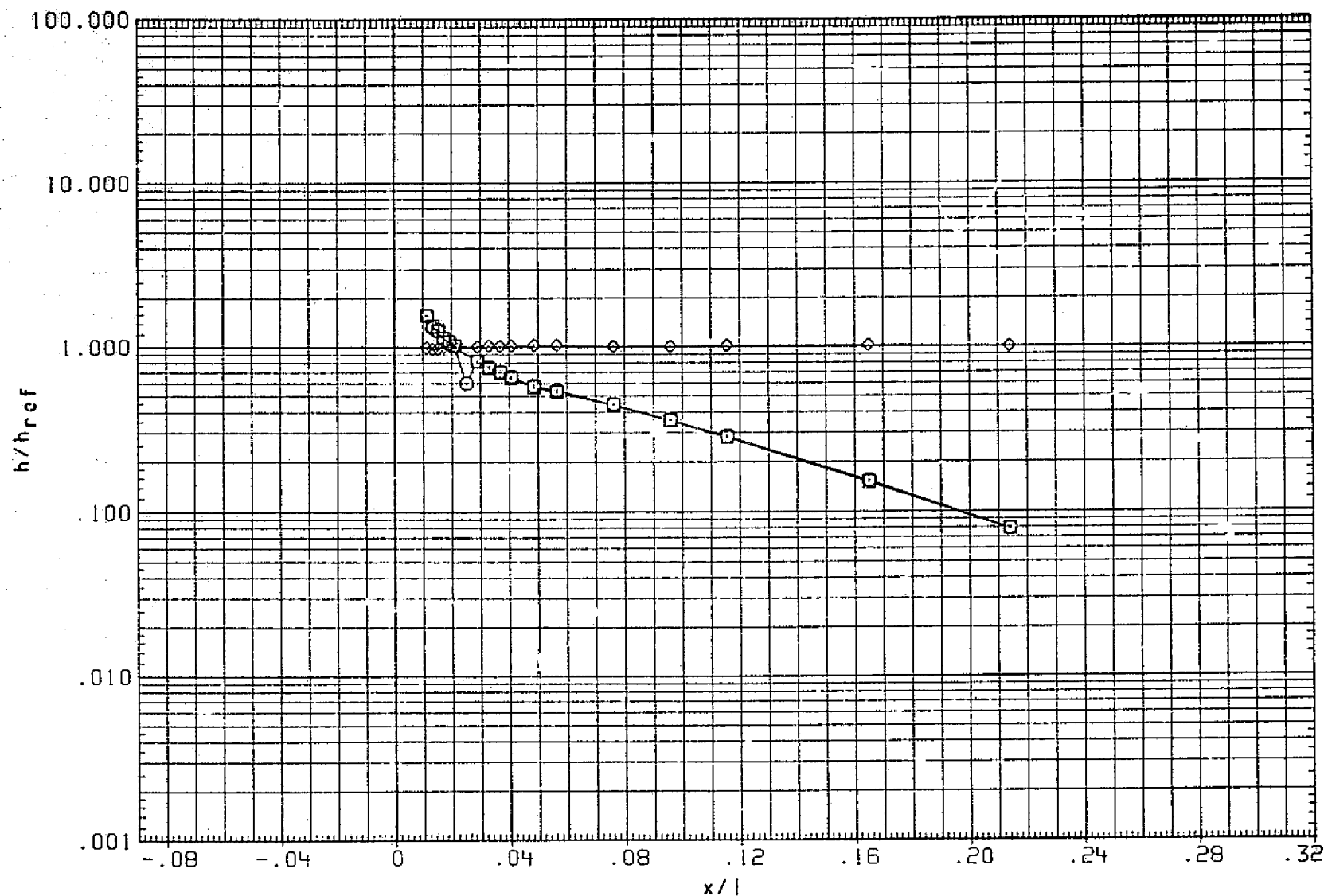


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

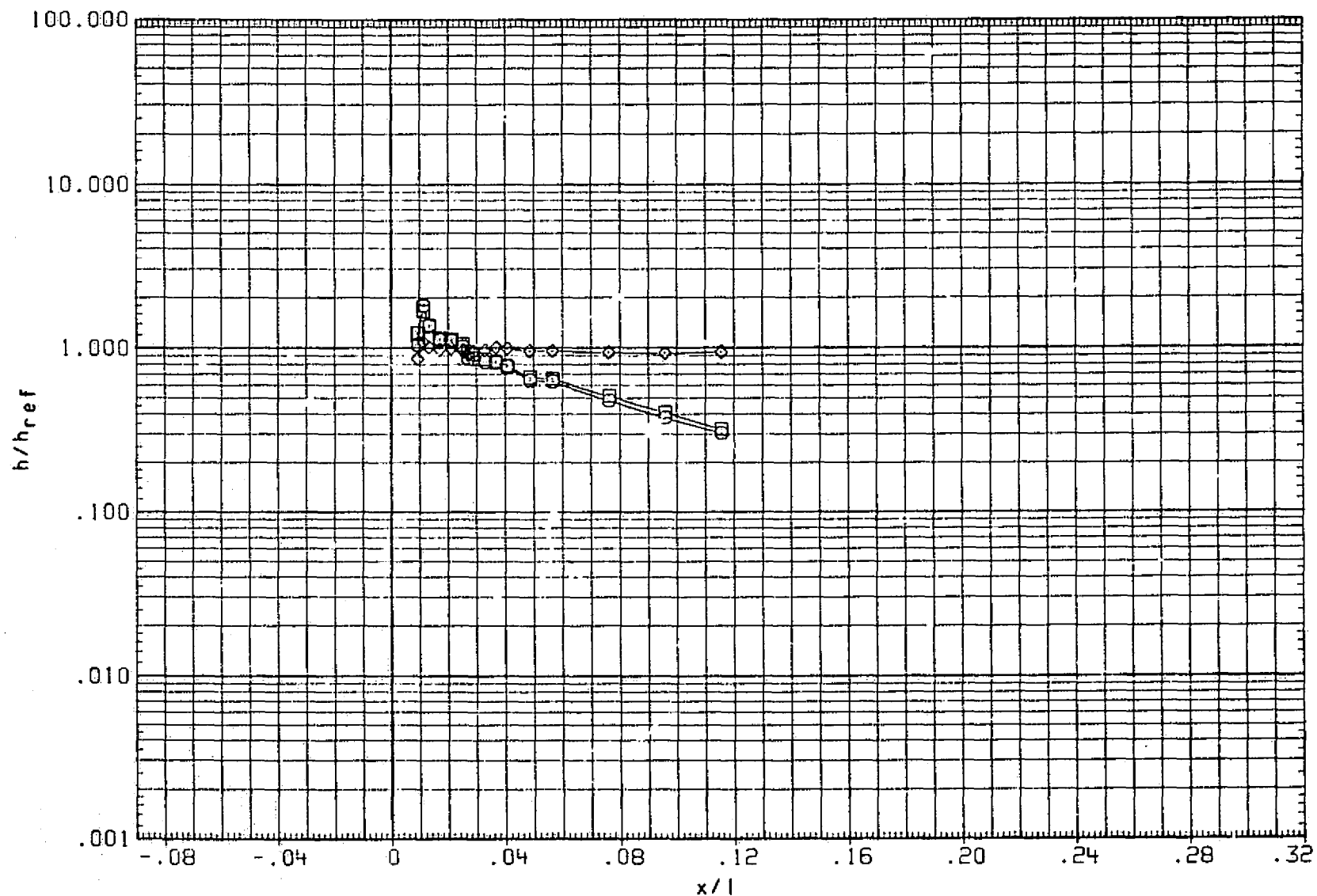


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

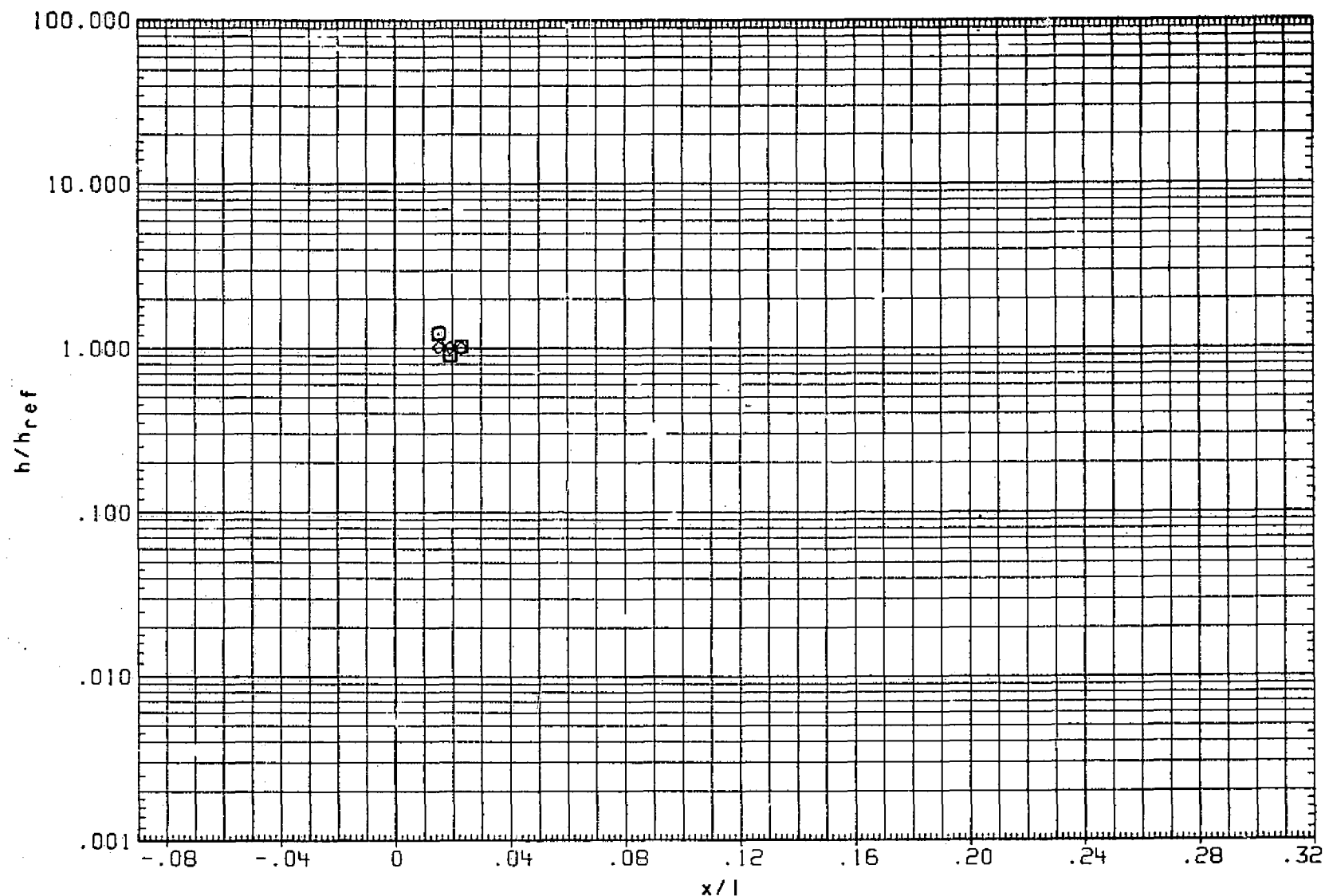


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(RNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

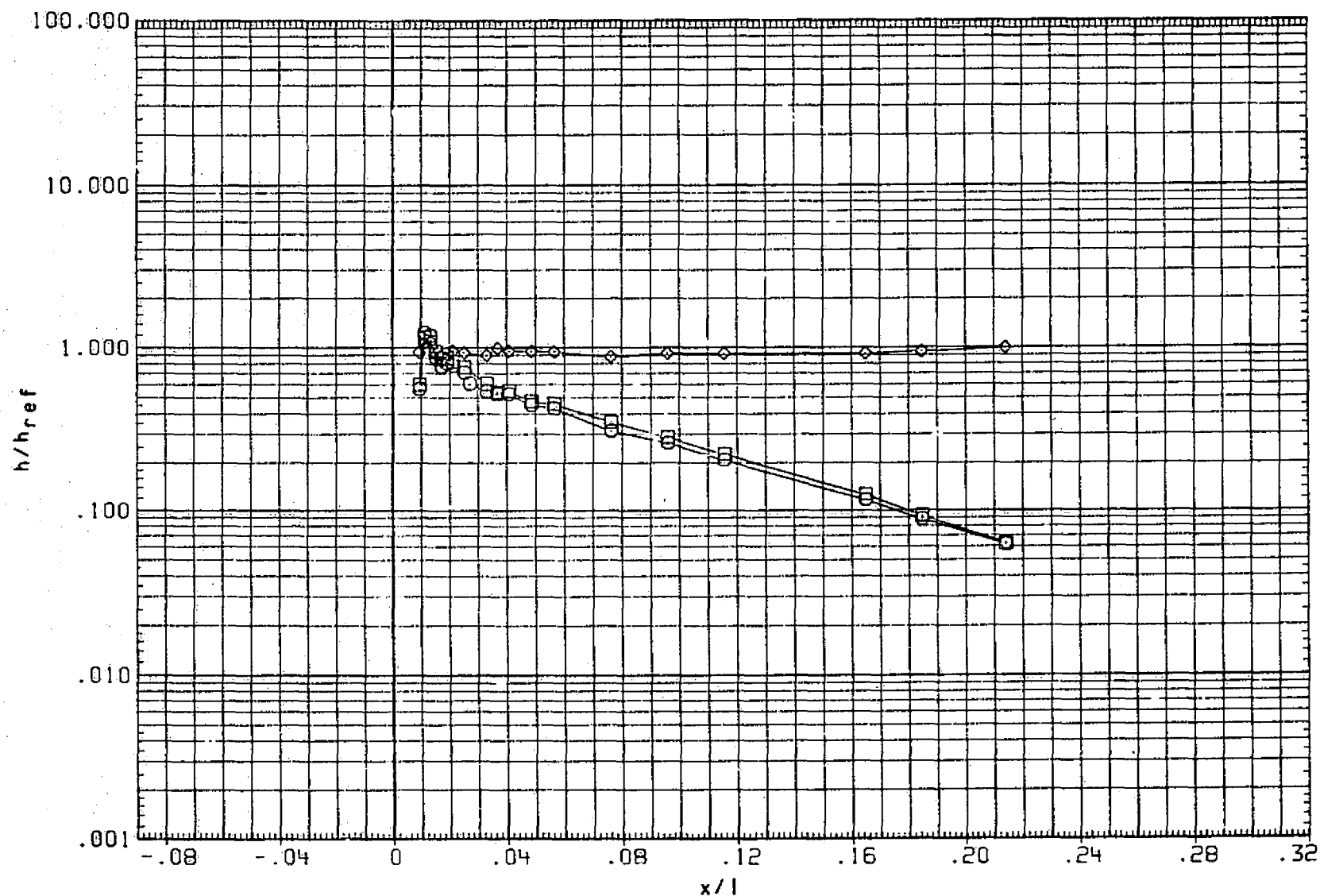


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THLTA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

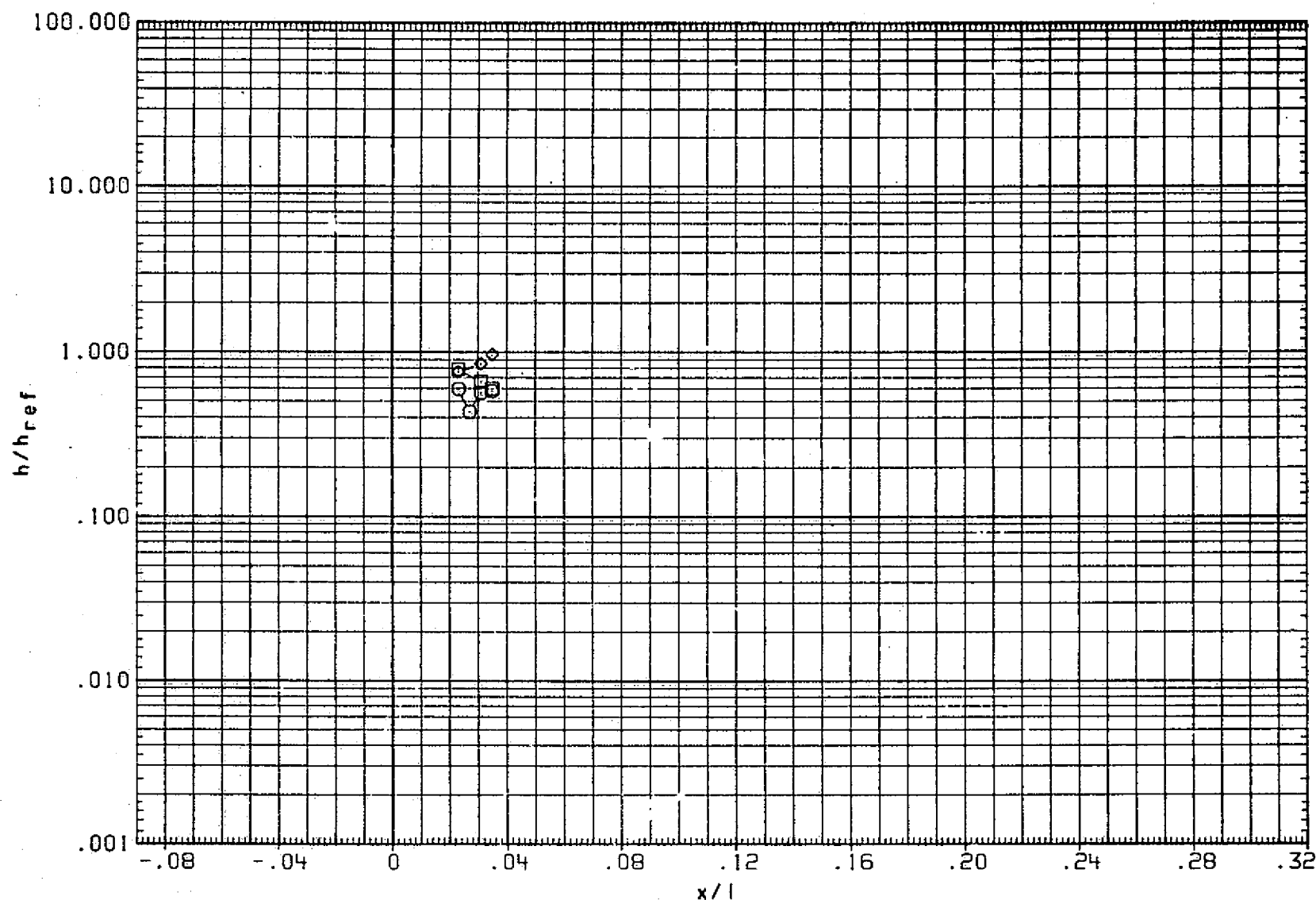


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)

ALPHA	BETA	RN/L
.000	-3.000	5.000
.000	-3.000	5.000
.000	-3.000	5.000

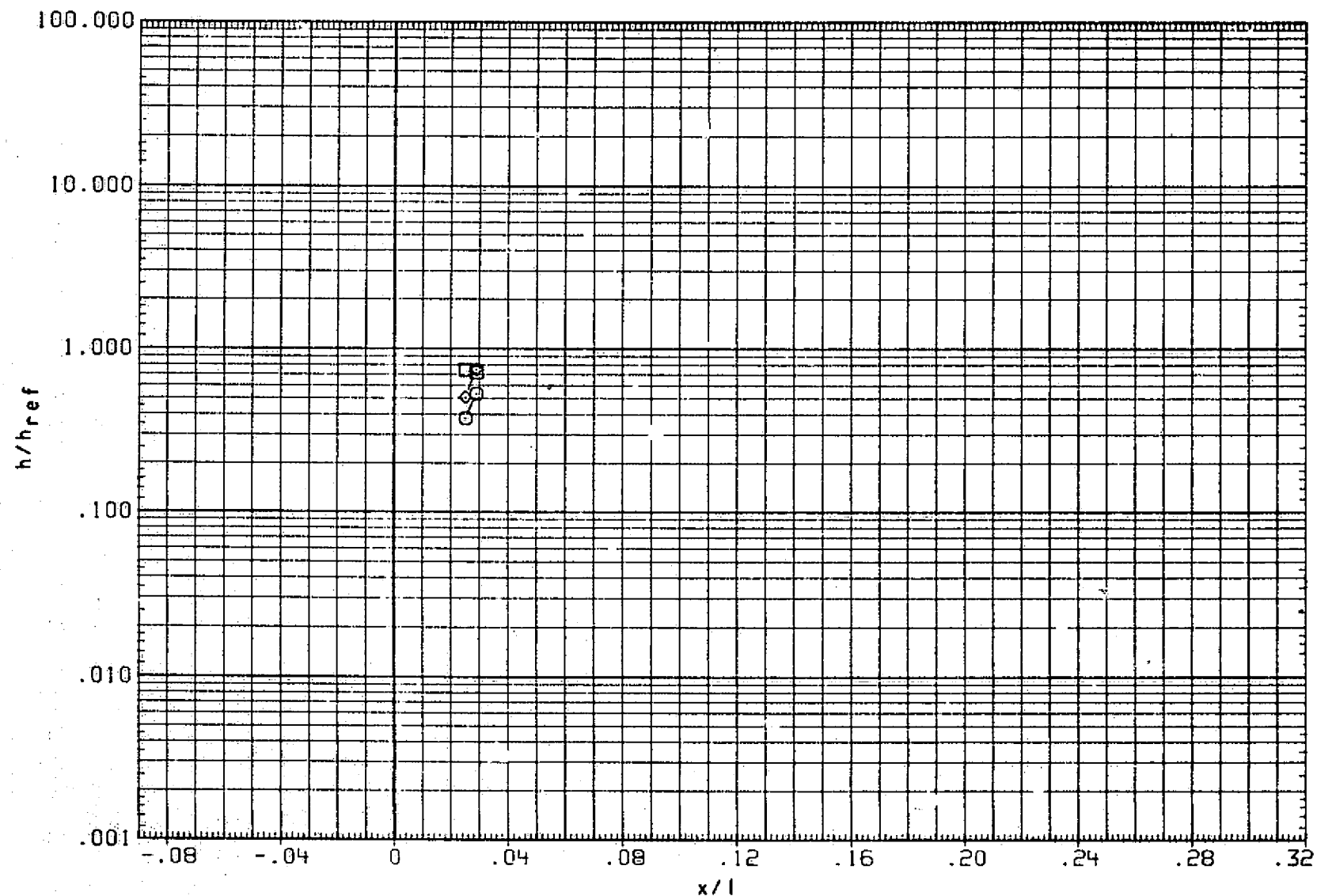


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

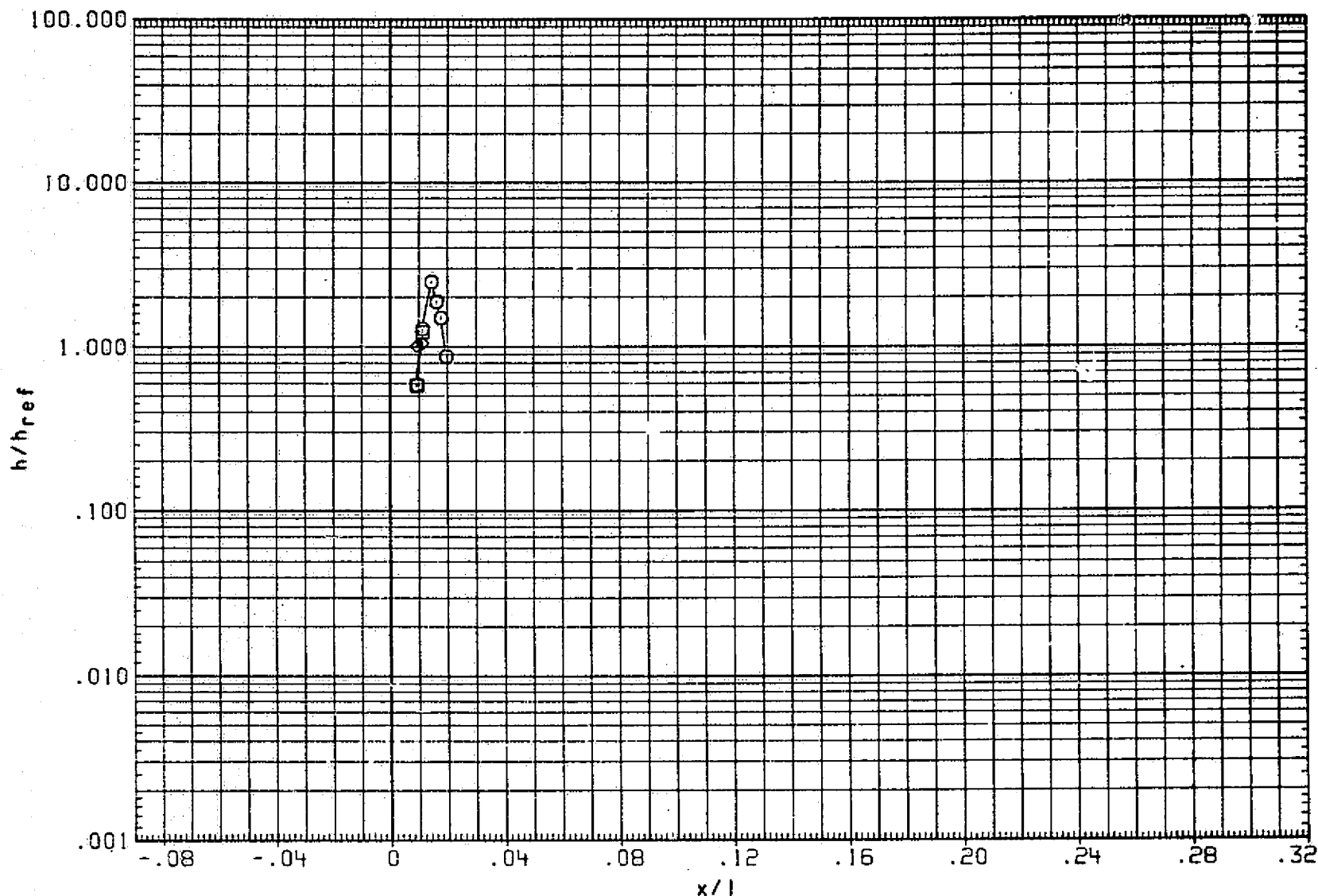


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

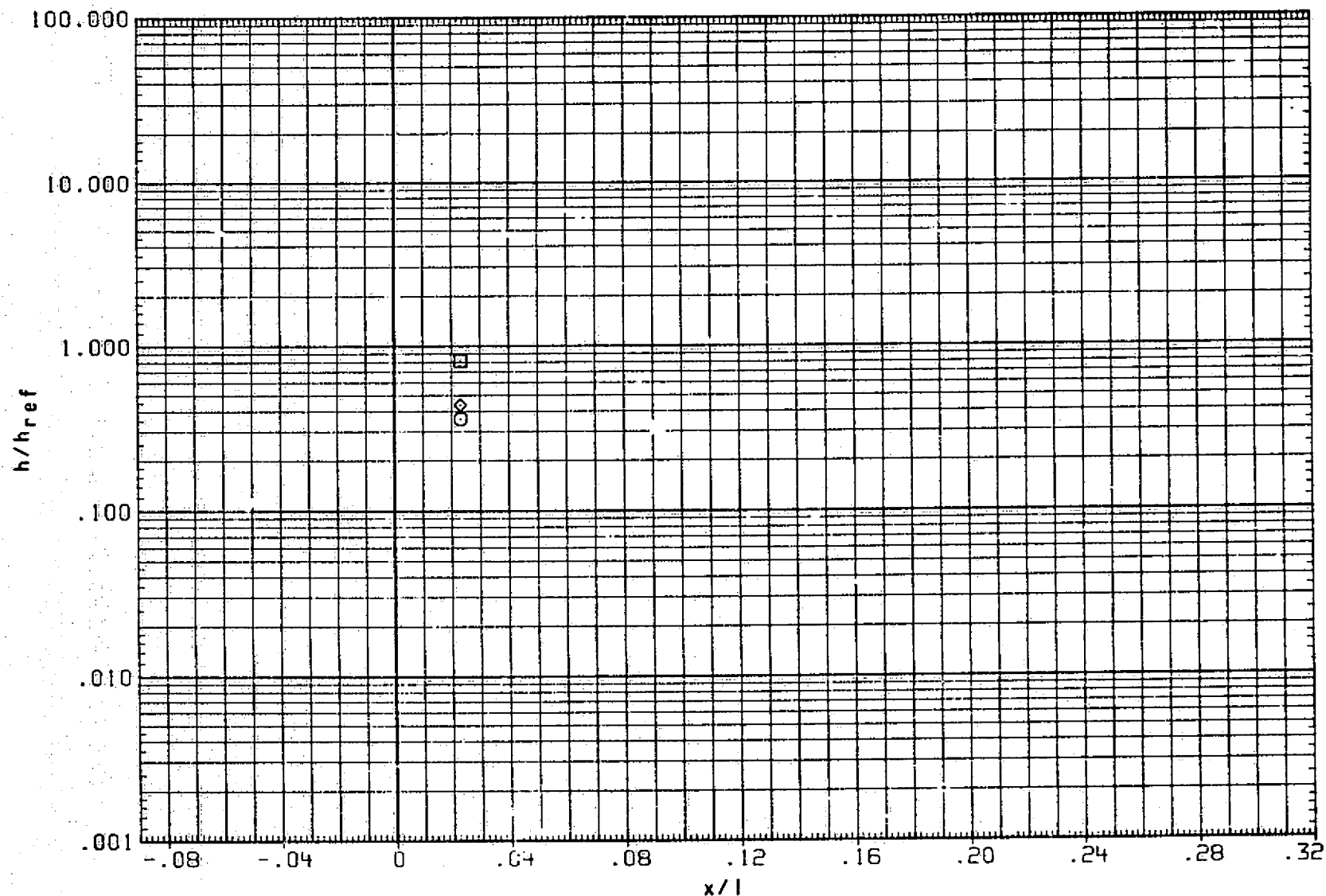


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

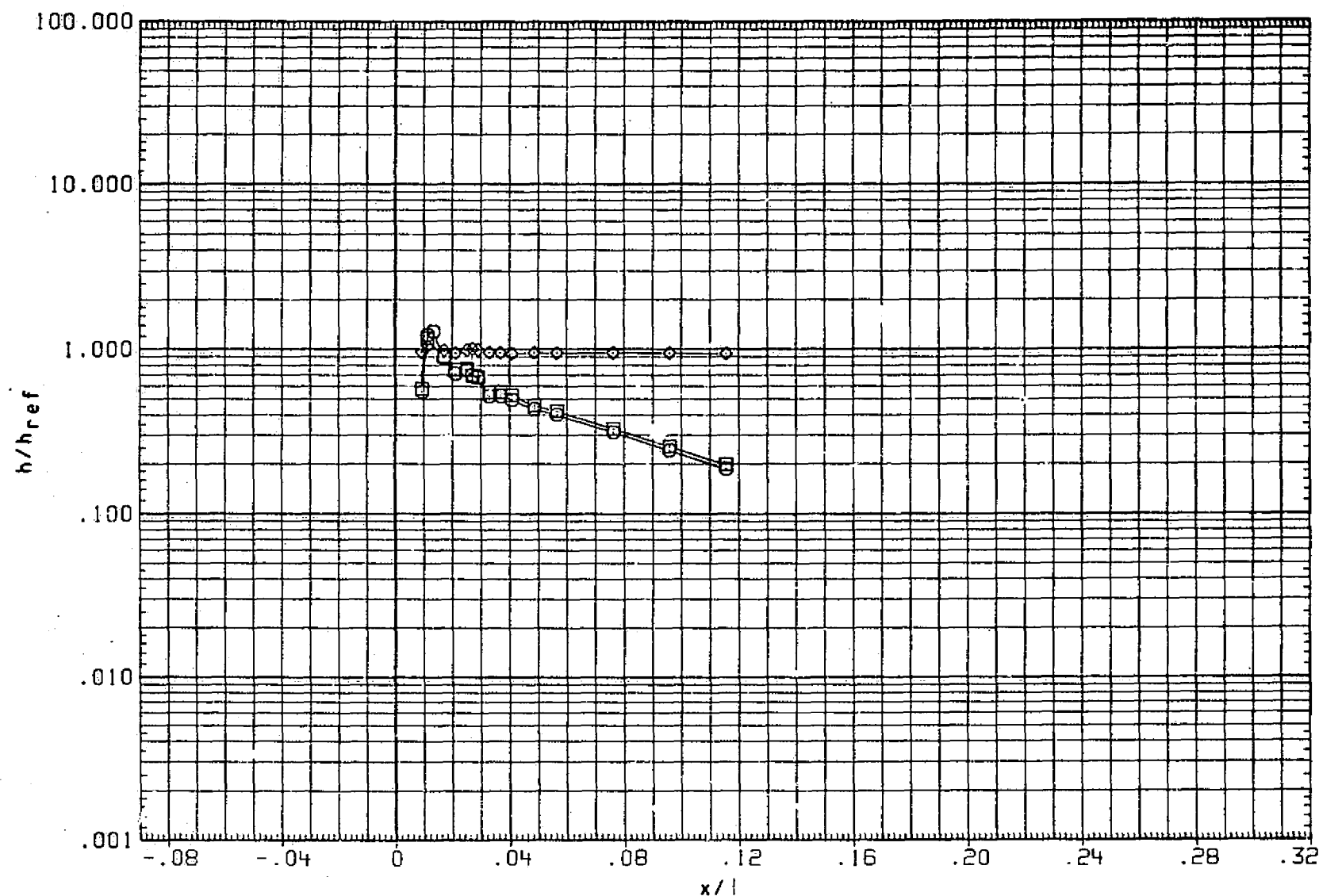


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

PAGE 911

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

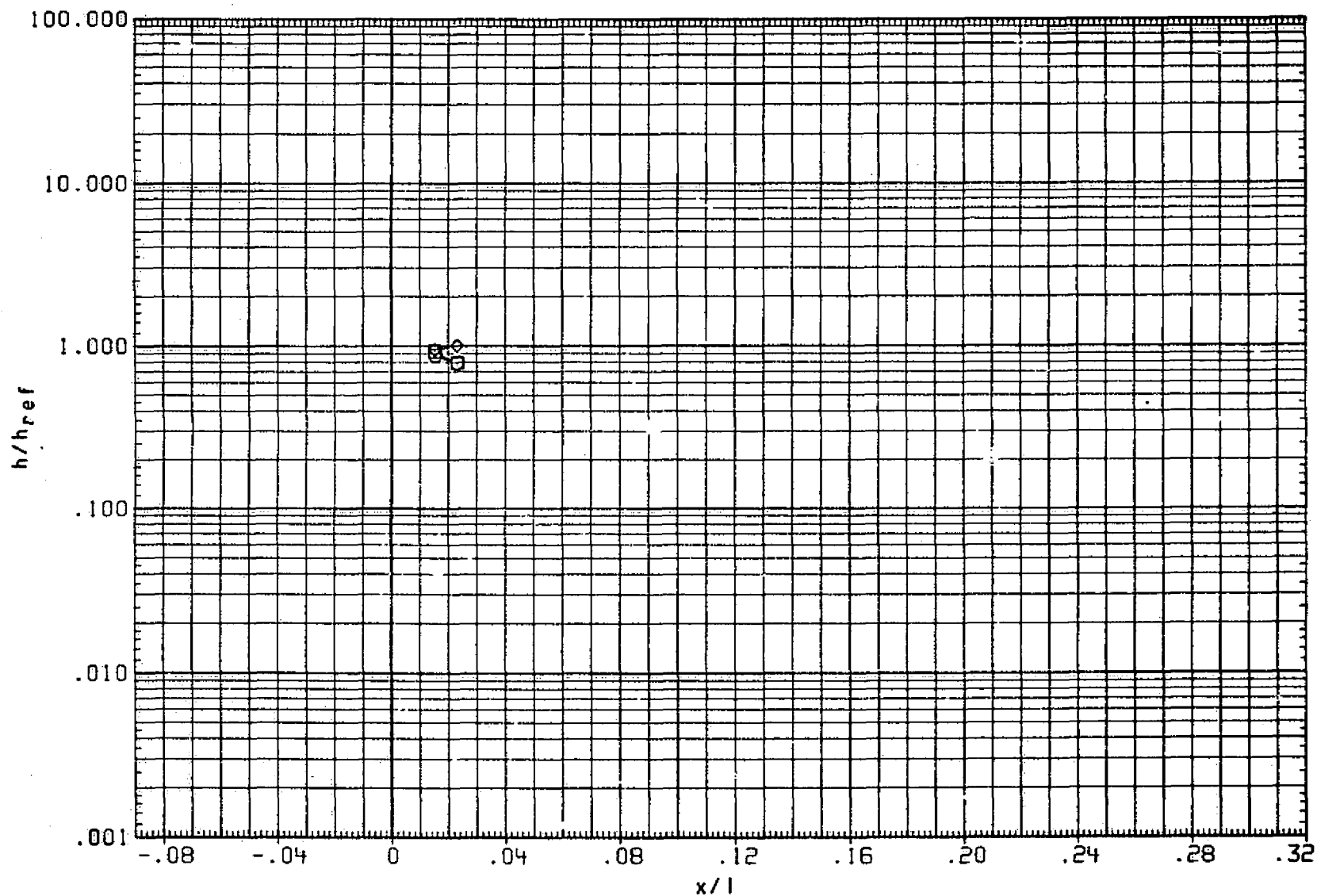


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 912

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT27)	.000	-3.000	5.000

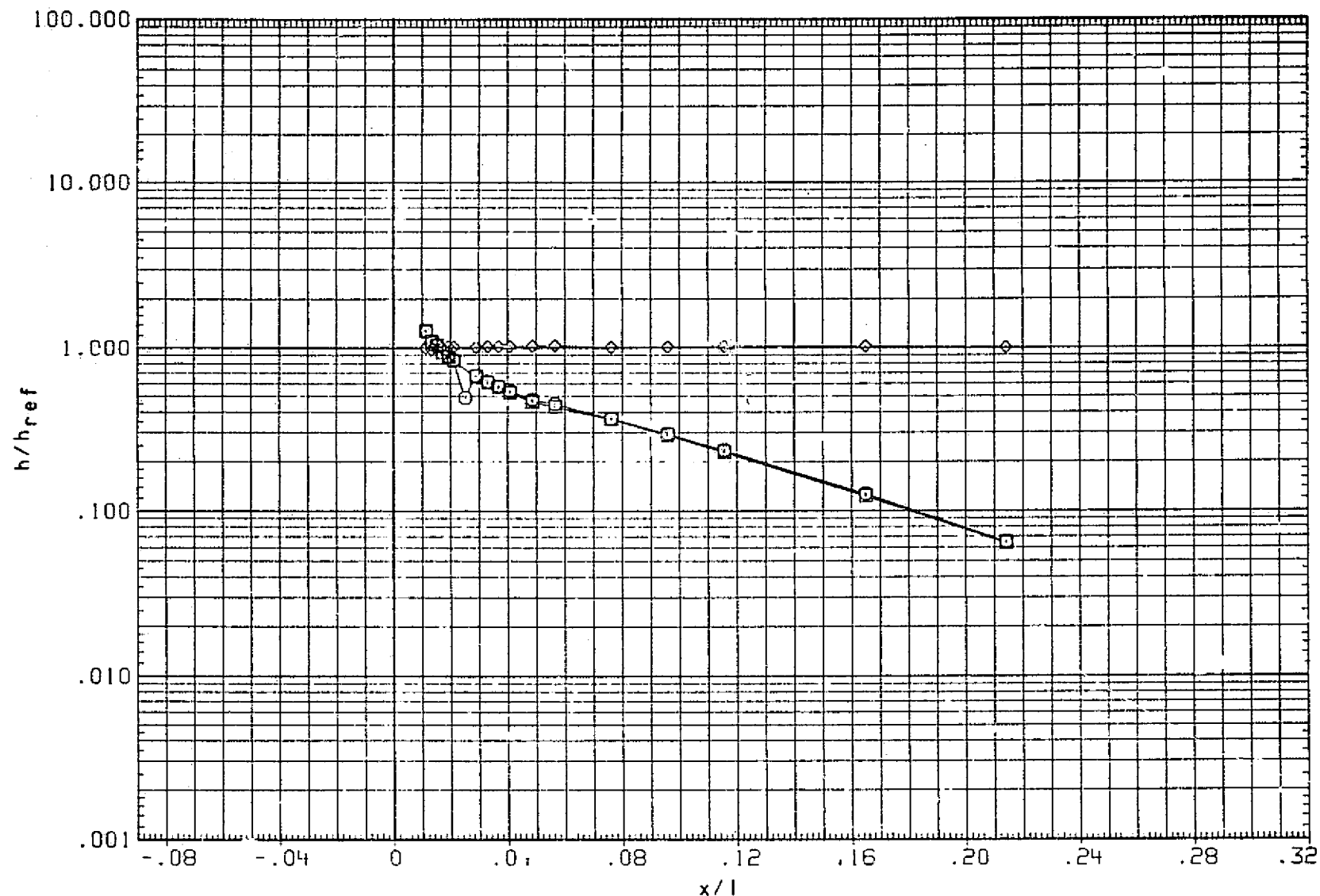


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

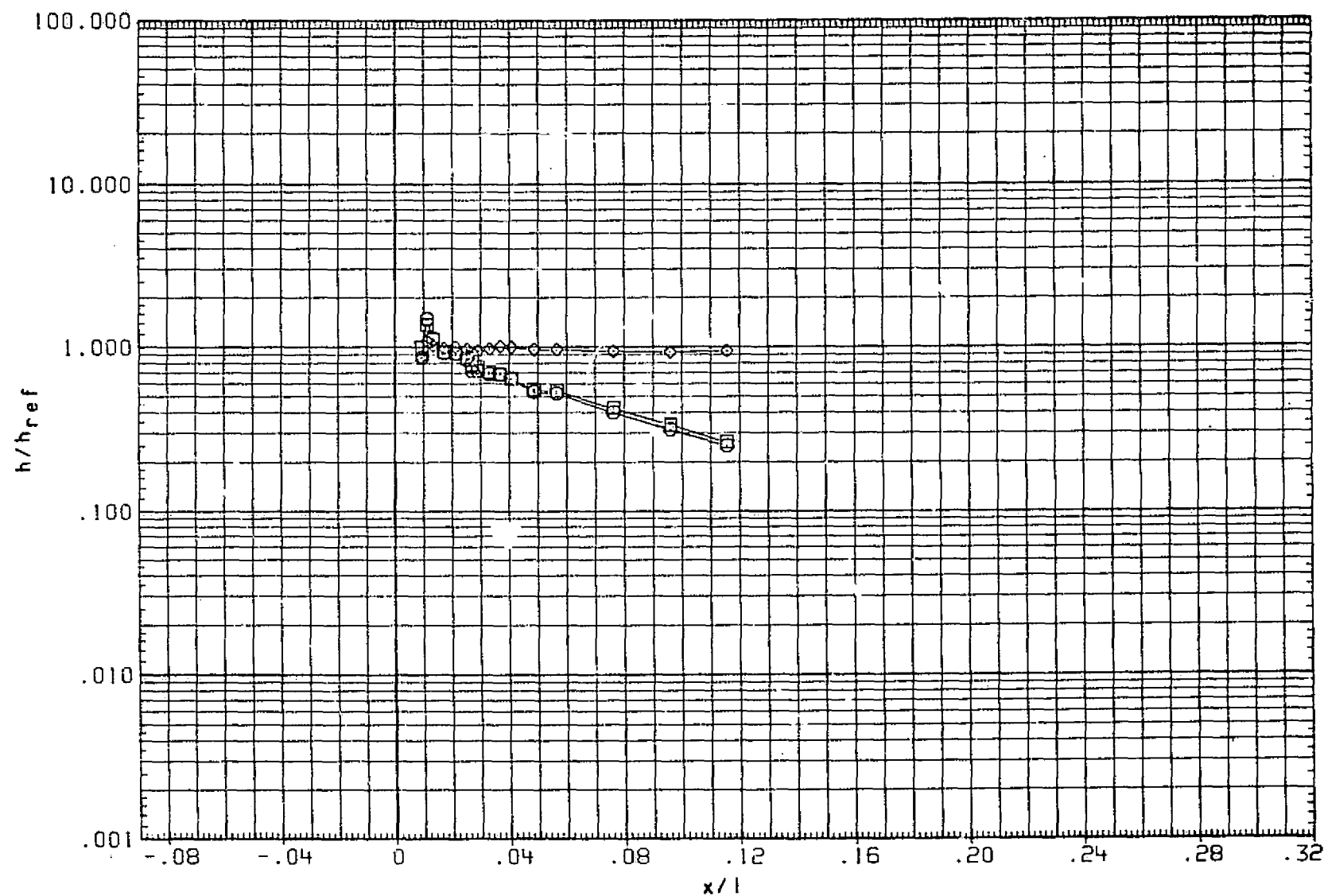


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 914

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT27)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	-3.000	5.000
(BNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT27)	.000	-3.000	5.000

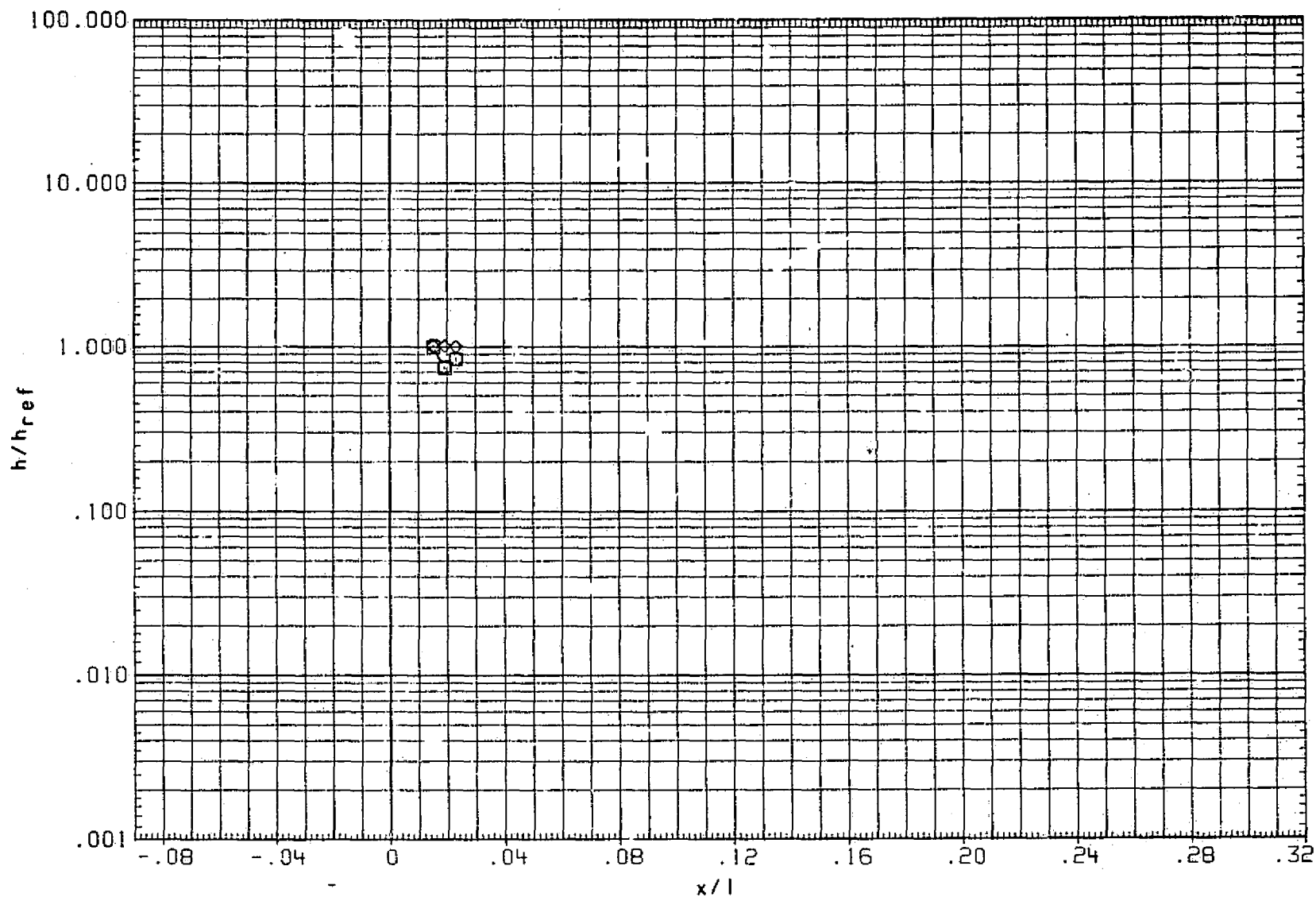


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

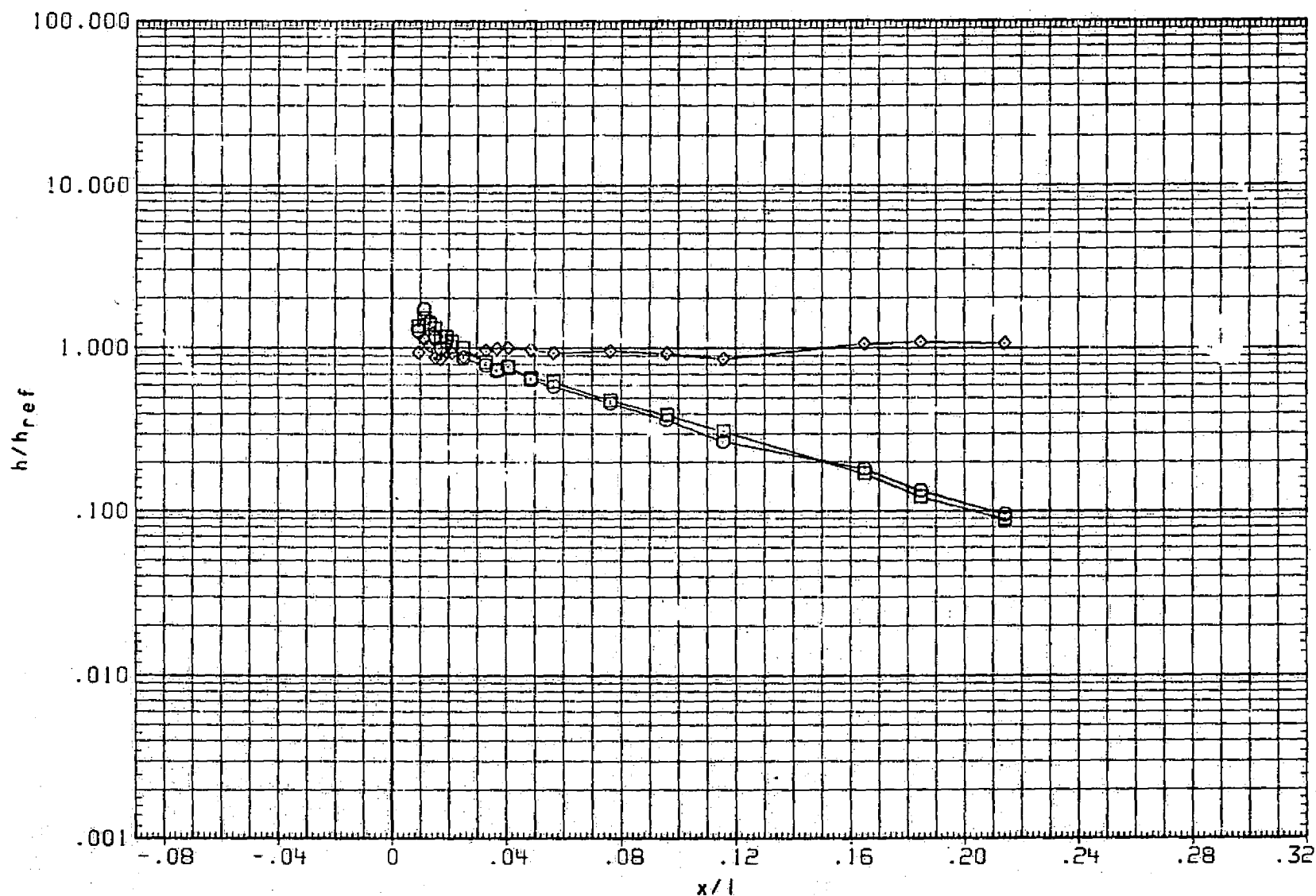


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

PAGE 916

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

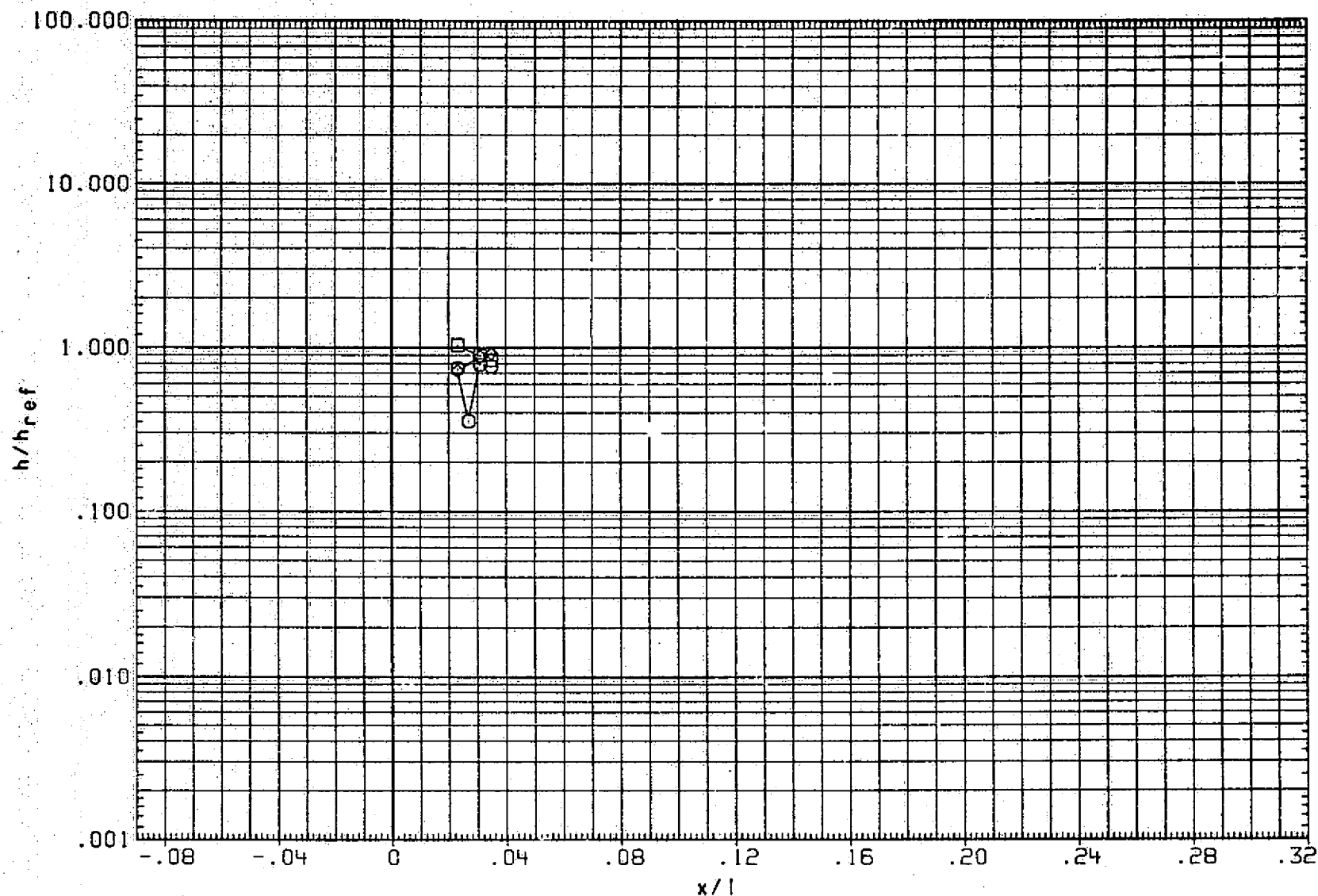


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .950 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT29)

ALPHA	BETA	RN/L
.000	6.000	5.000
.000	6.000	5.000
.000	6.000	5.000

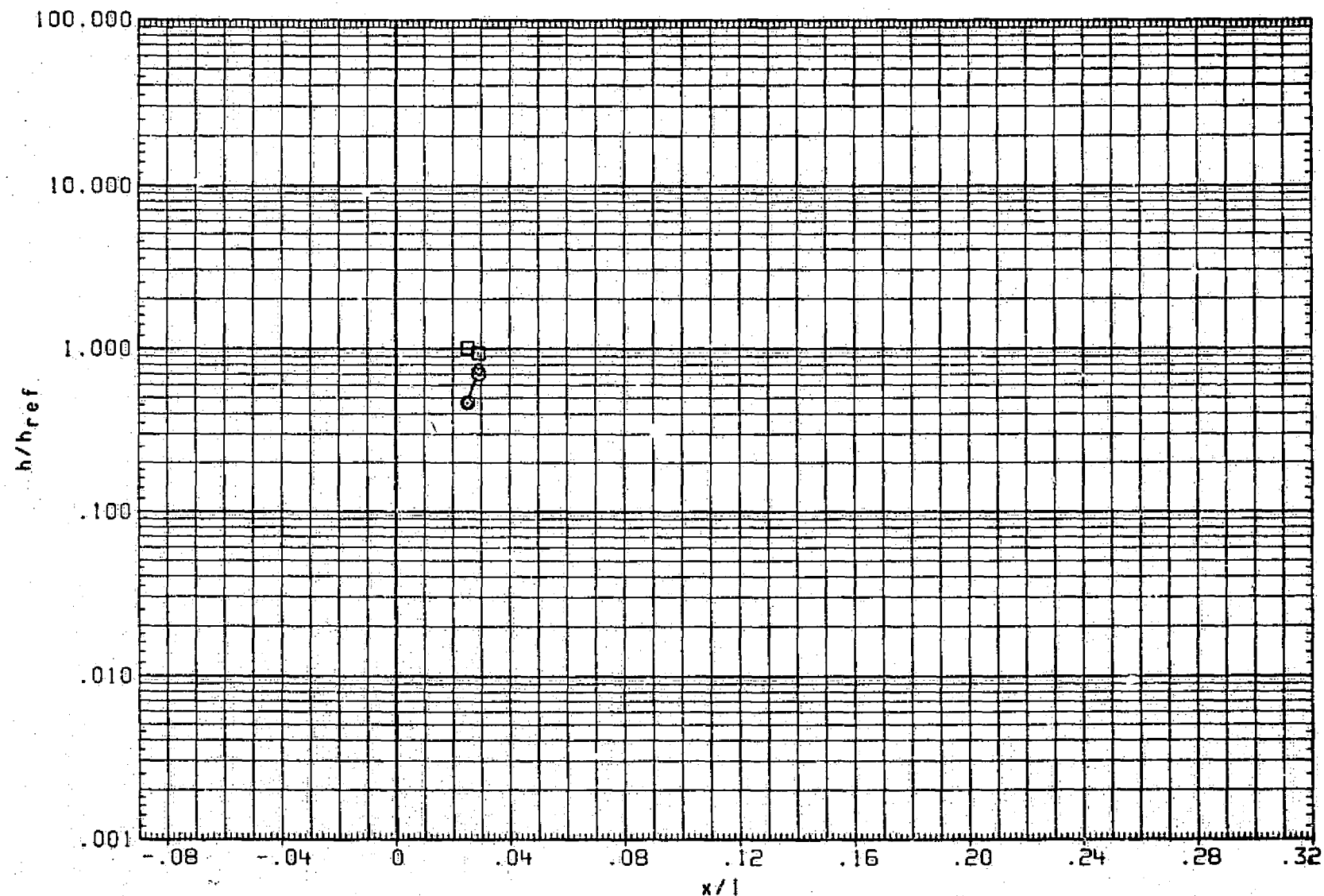


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 918

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

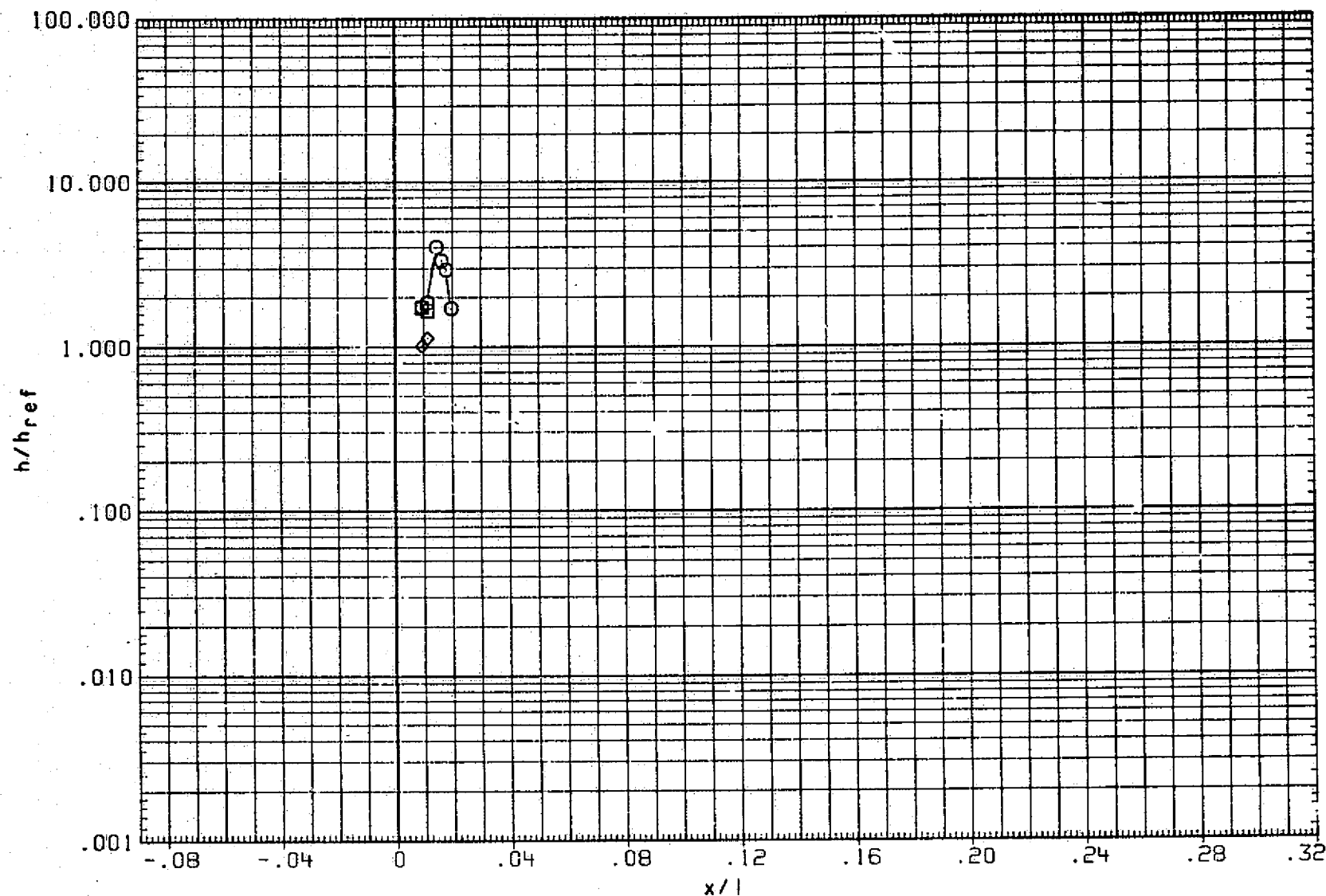


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

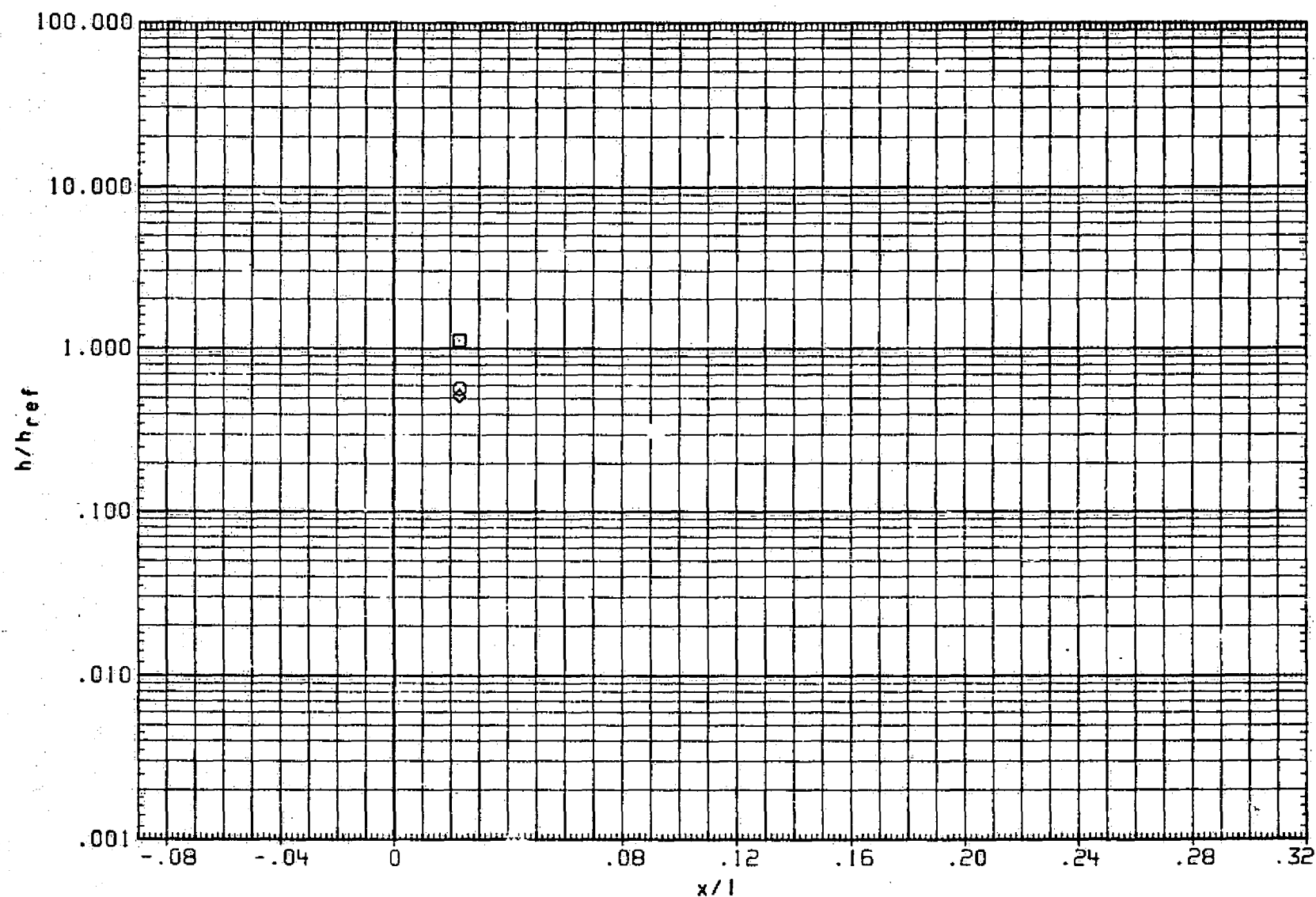


FIG. 14 TANK FOREBODY HI/H<sub>u</sub> (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300    HAW/HT = .850    THETA = 45.000

PAGE 920

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(RNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

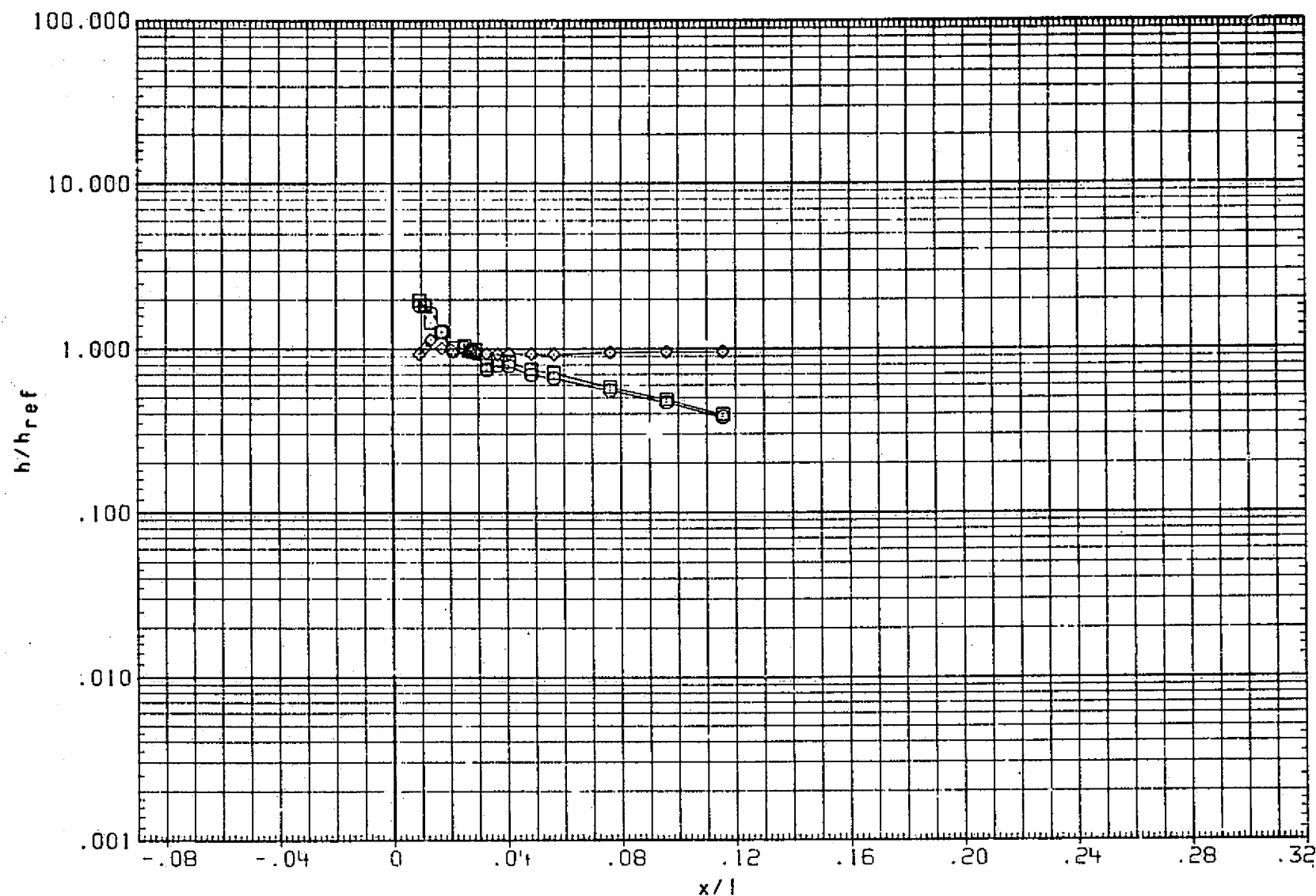


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

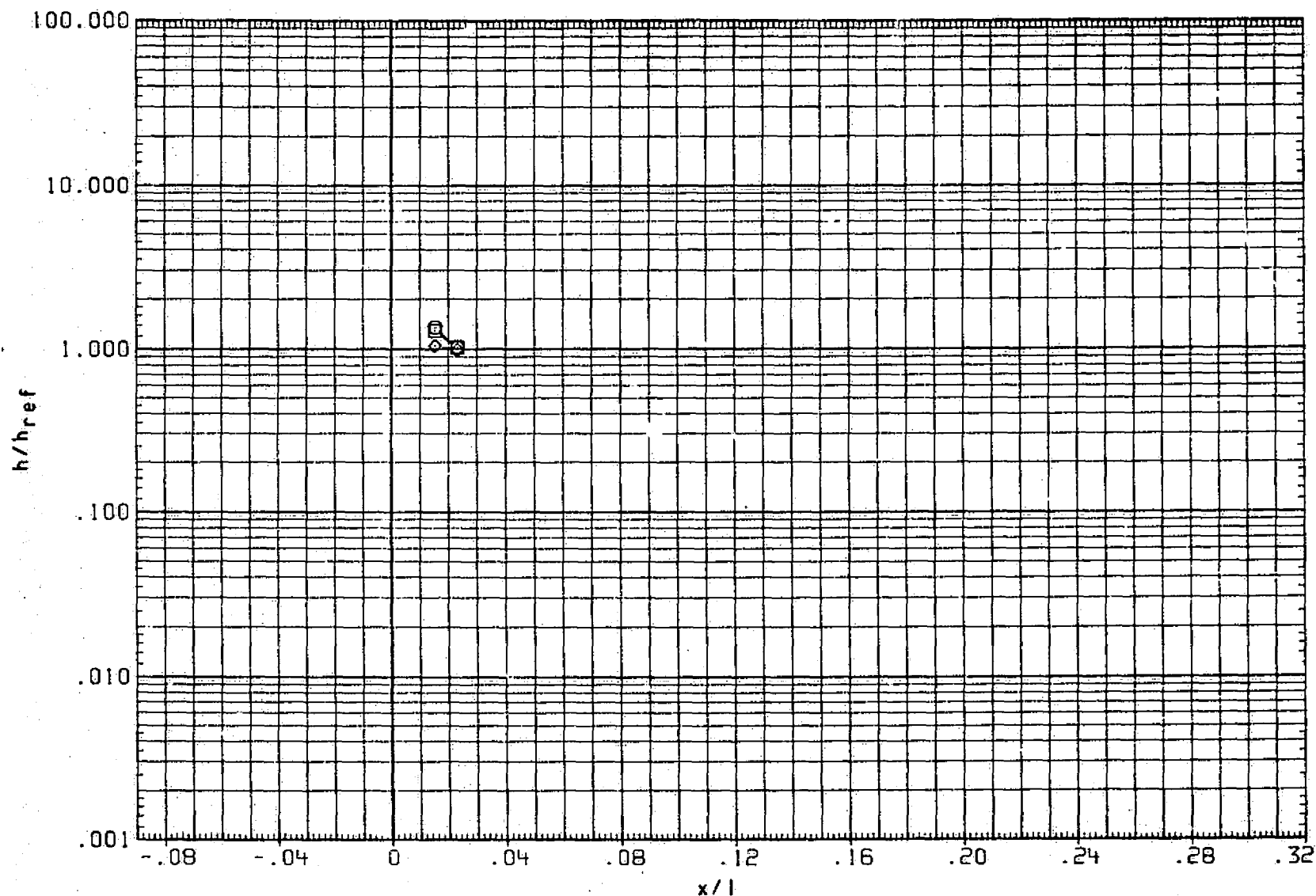


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THEFA = 135.000

PAGE 922

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

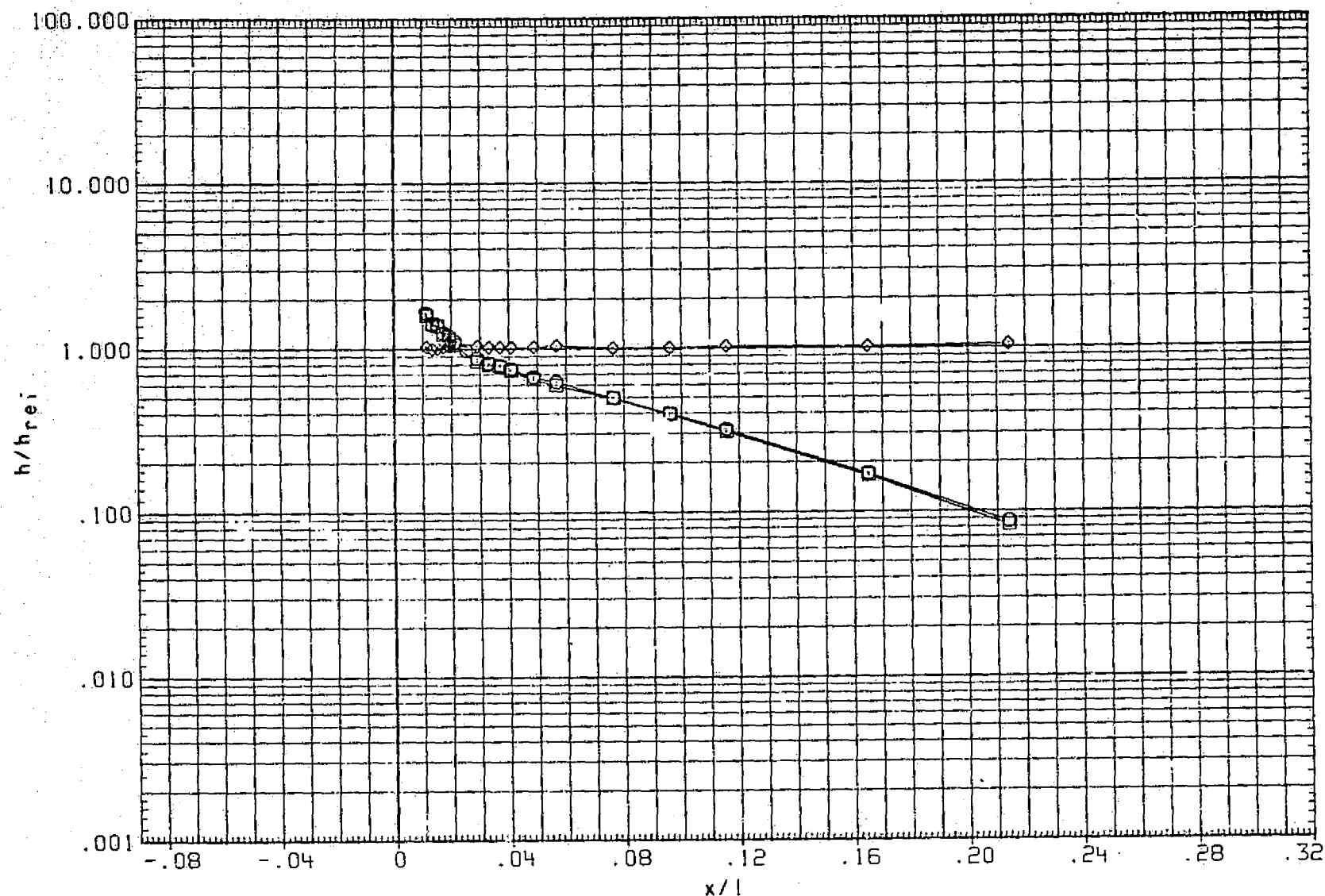


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

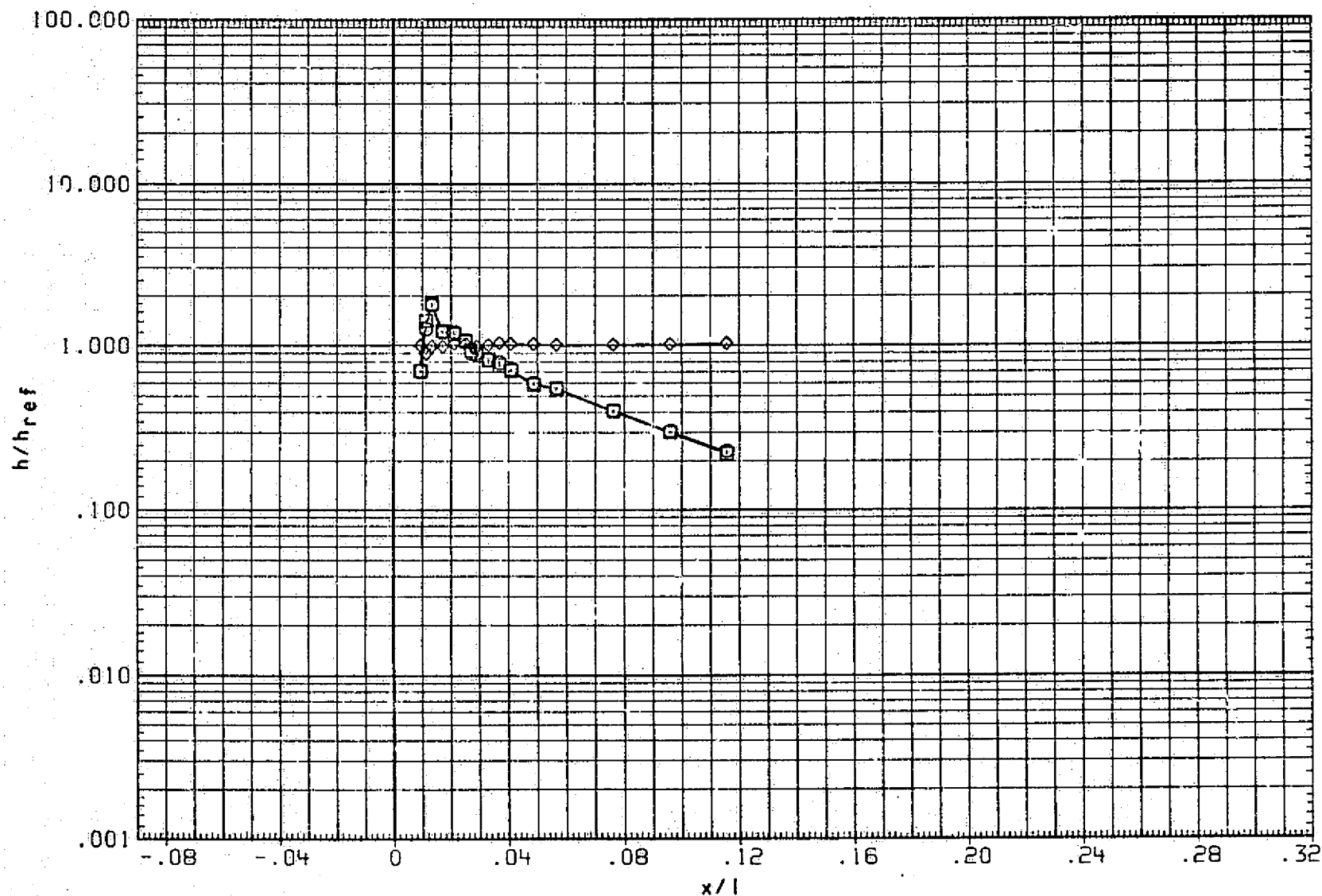


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

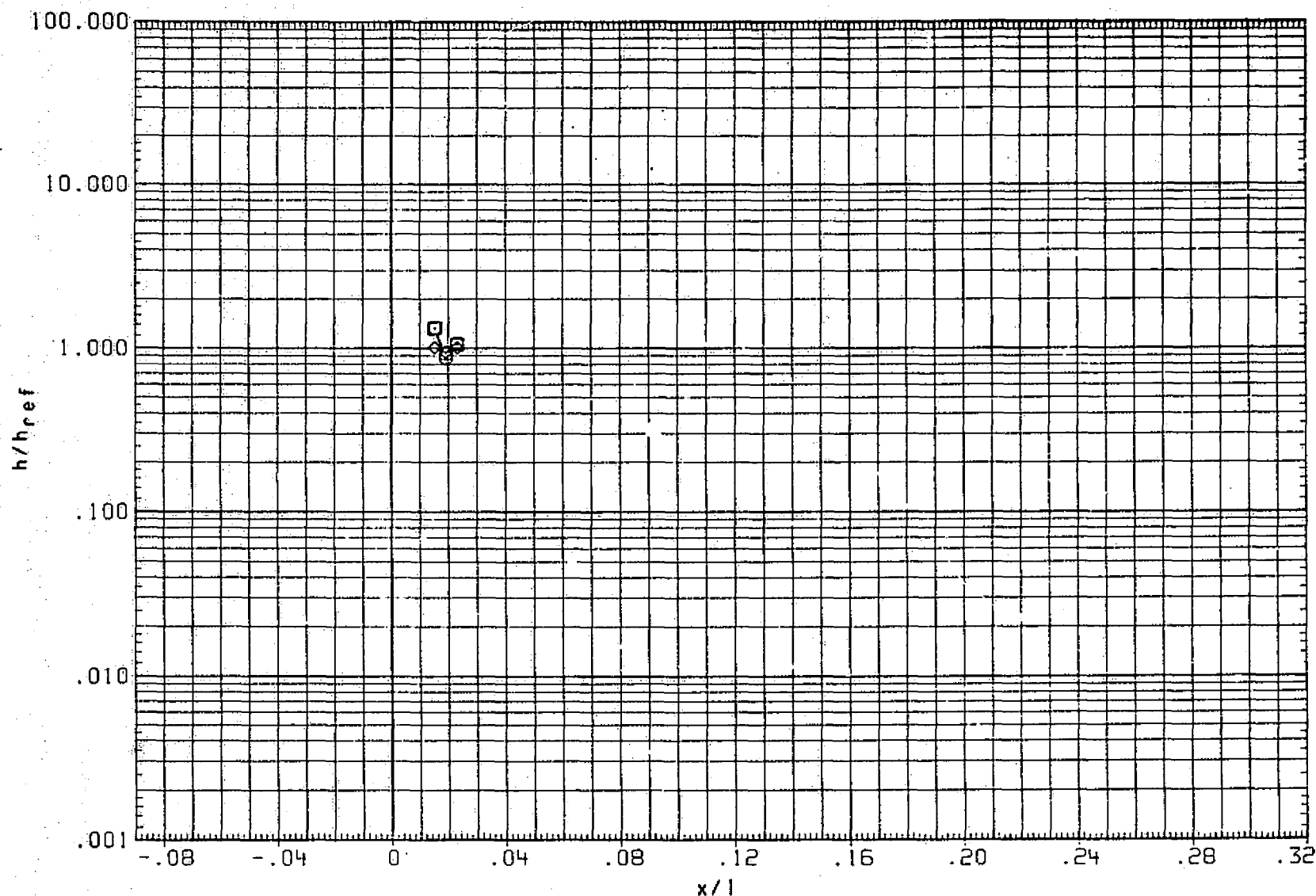


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

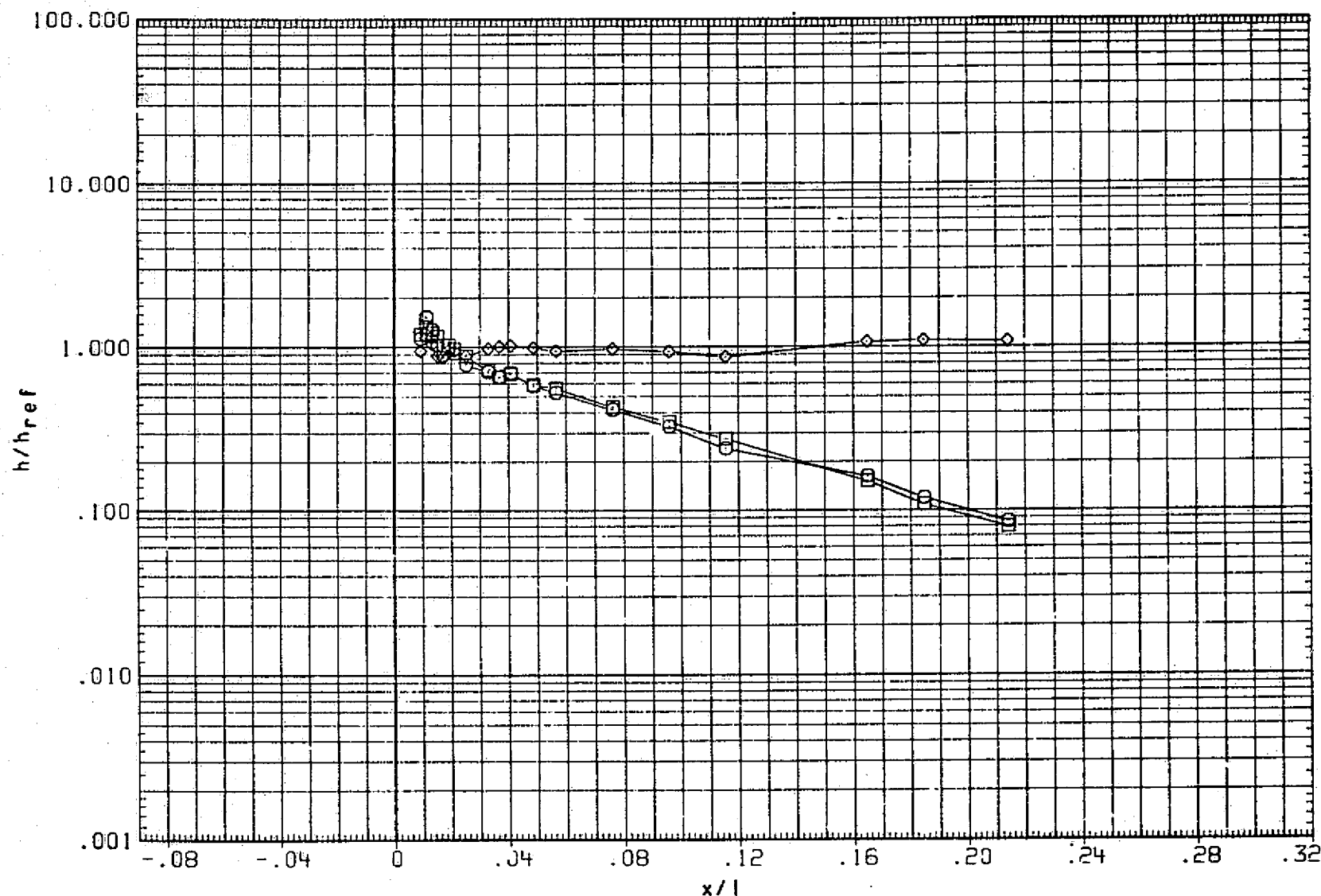


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.303 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

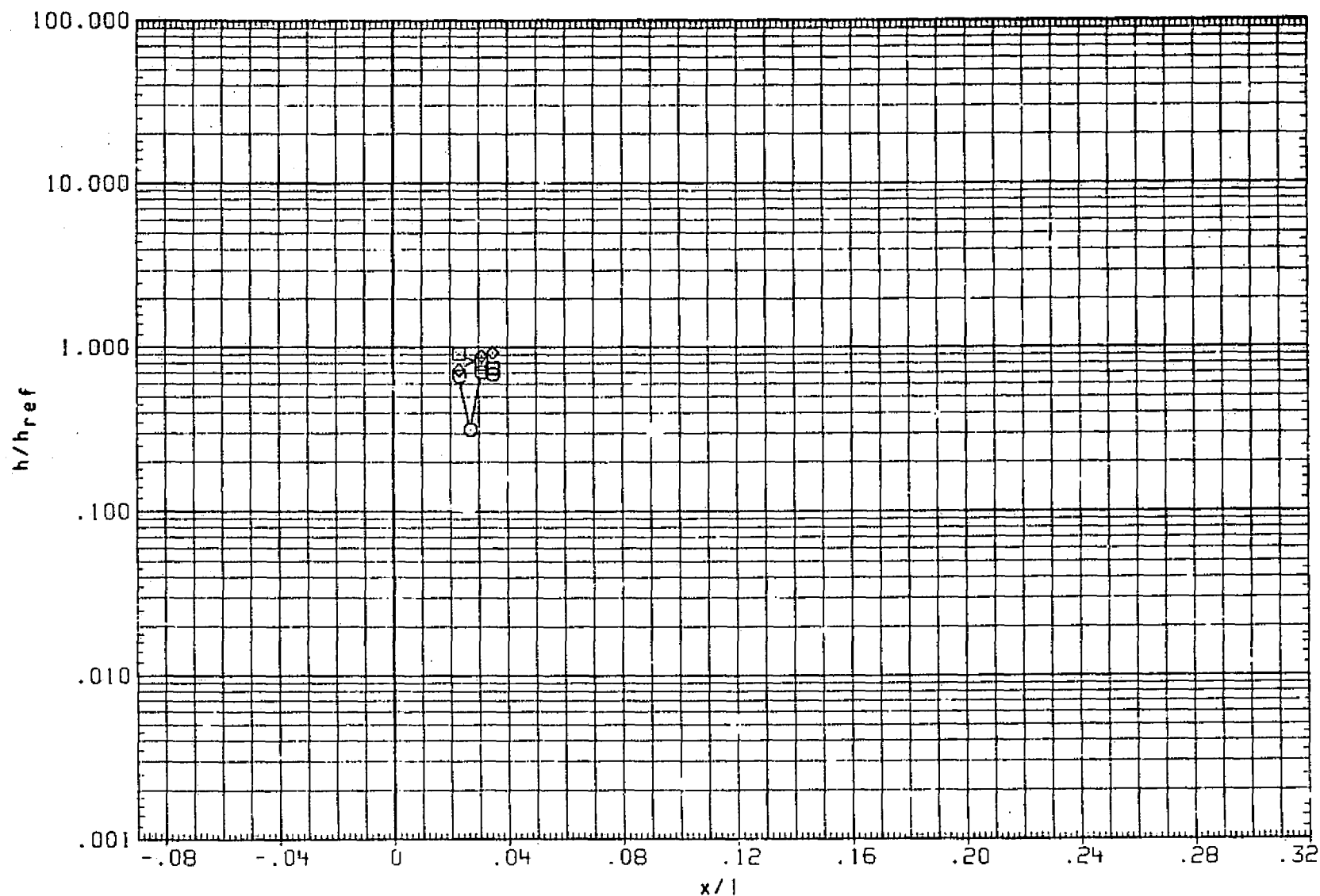


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

PAGE 927

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

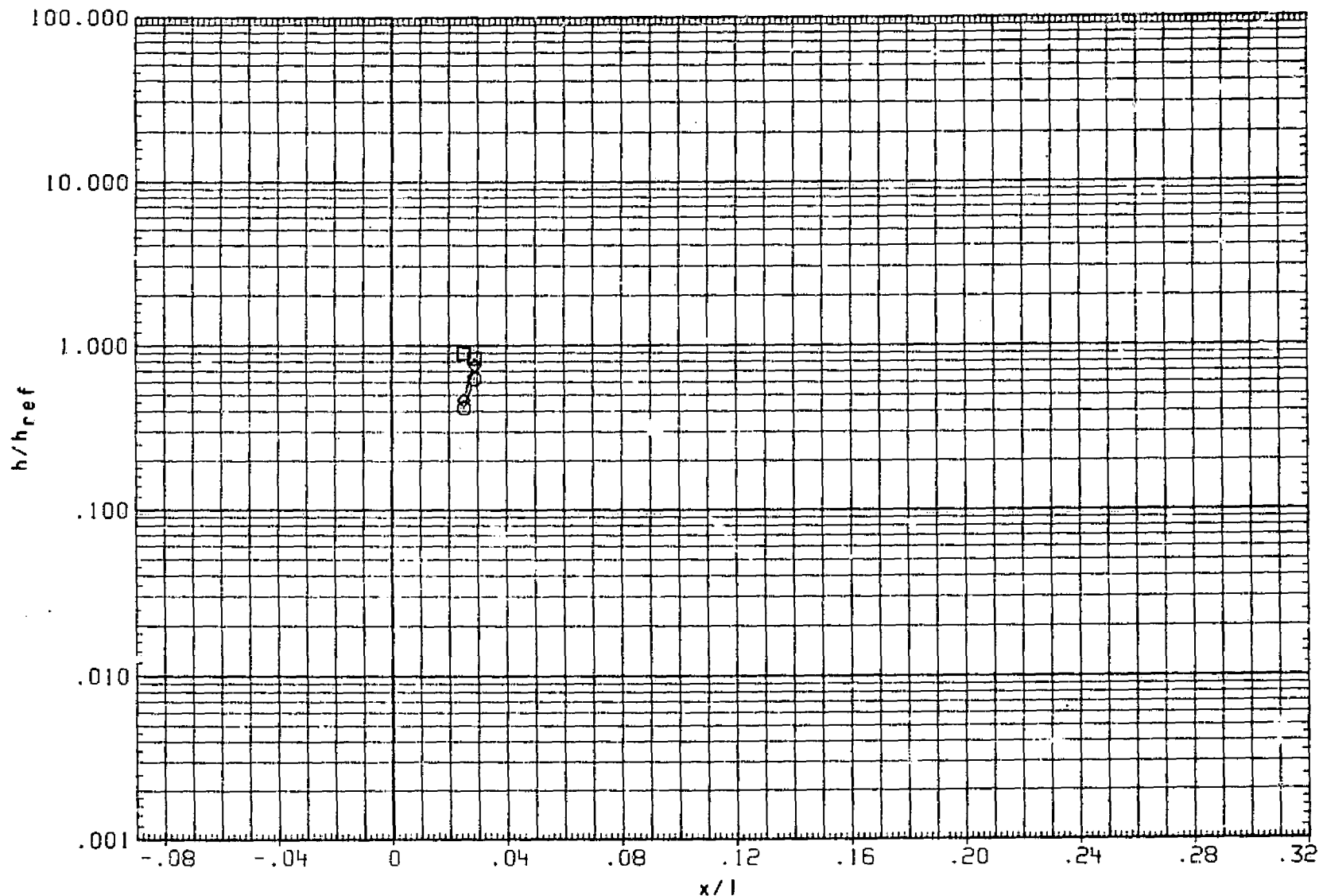


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

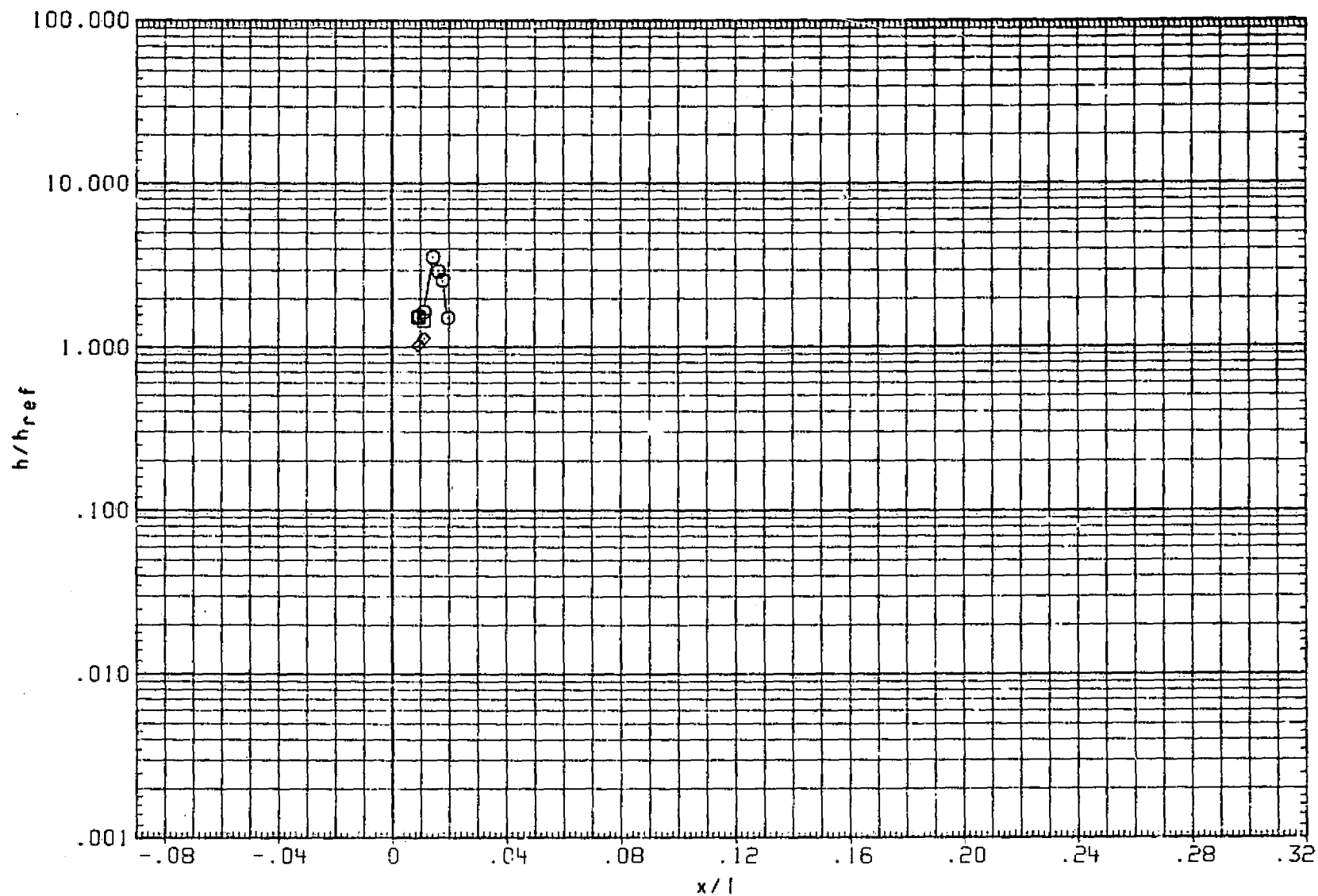


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	3.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

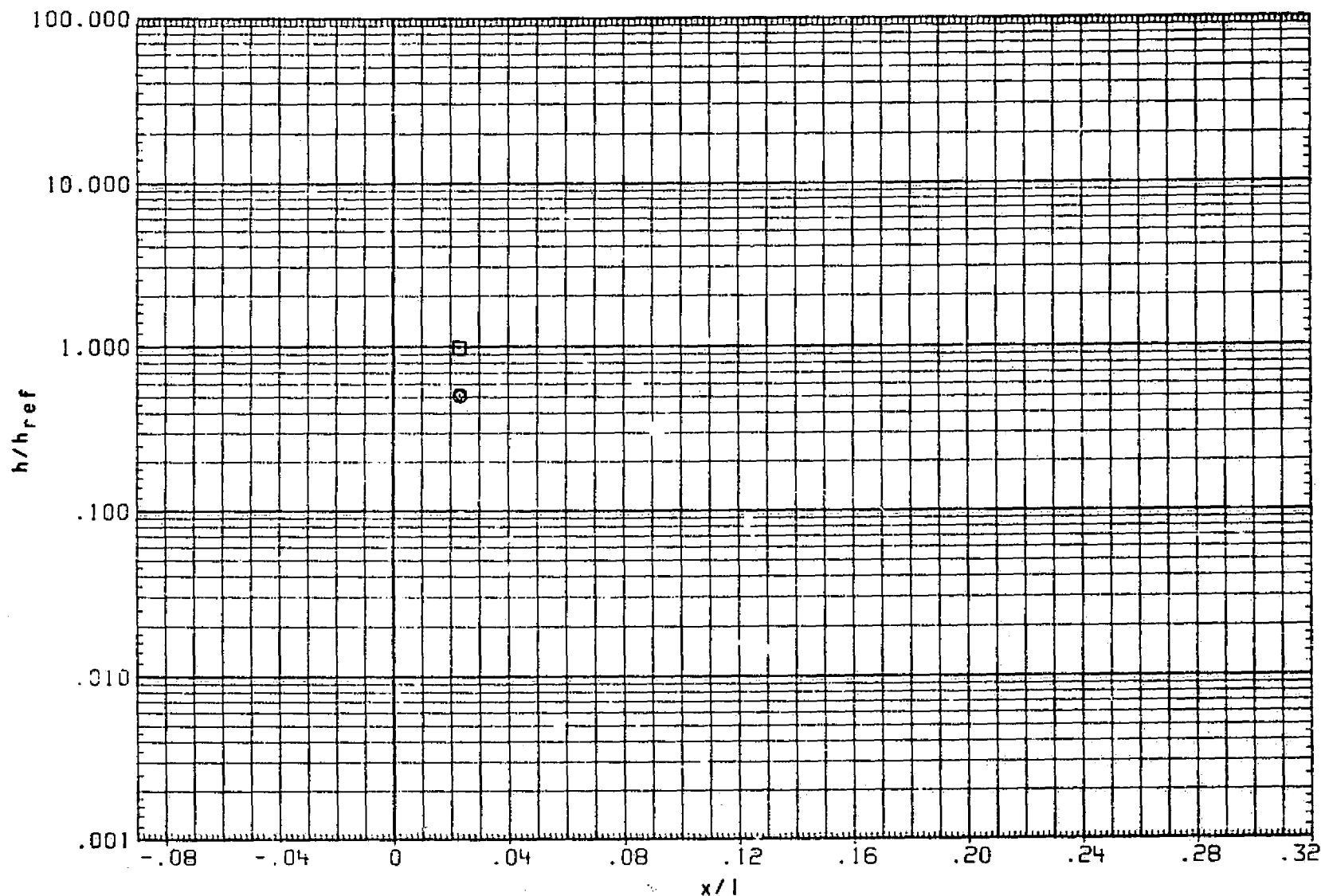


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

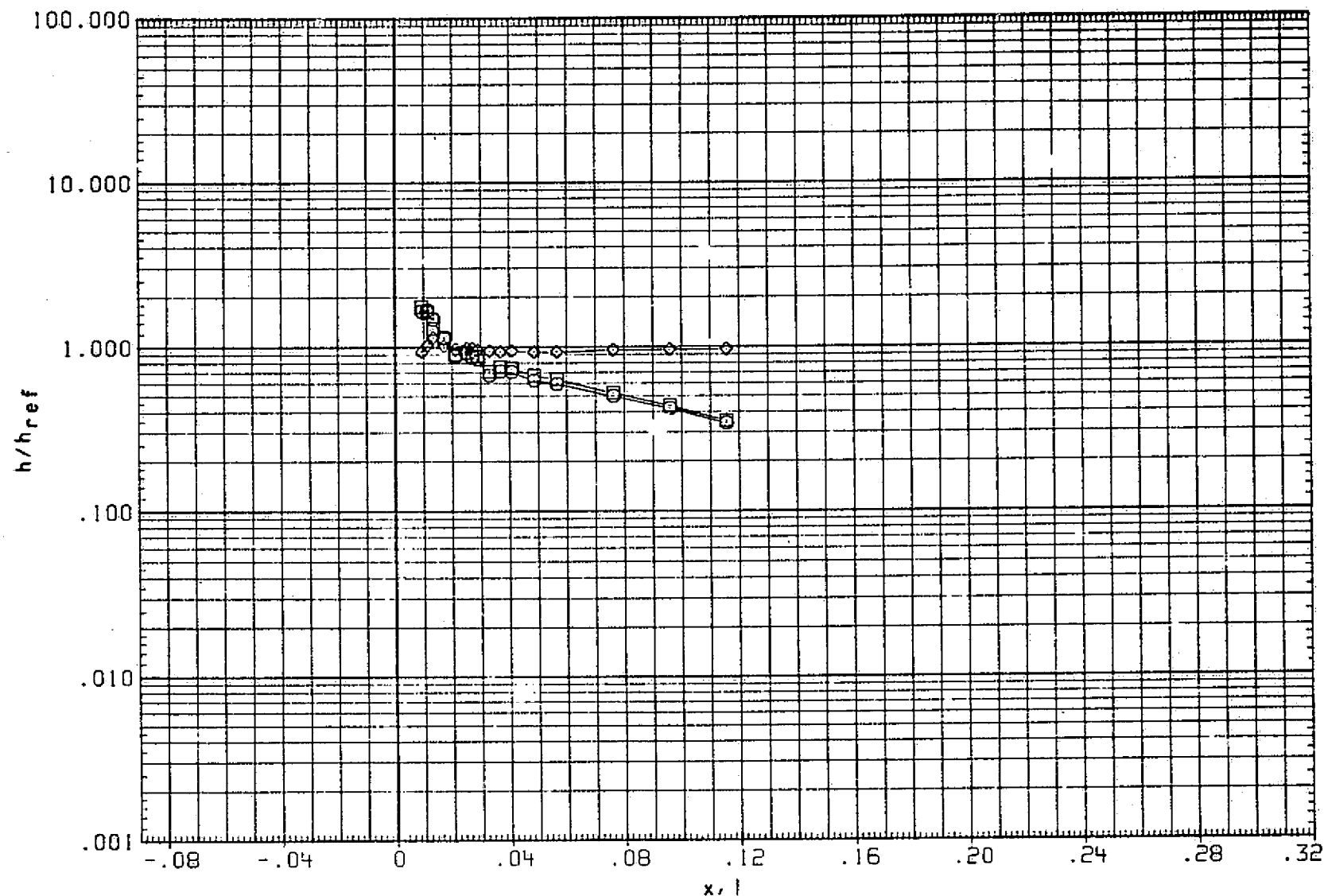


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

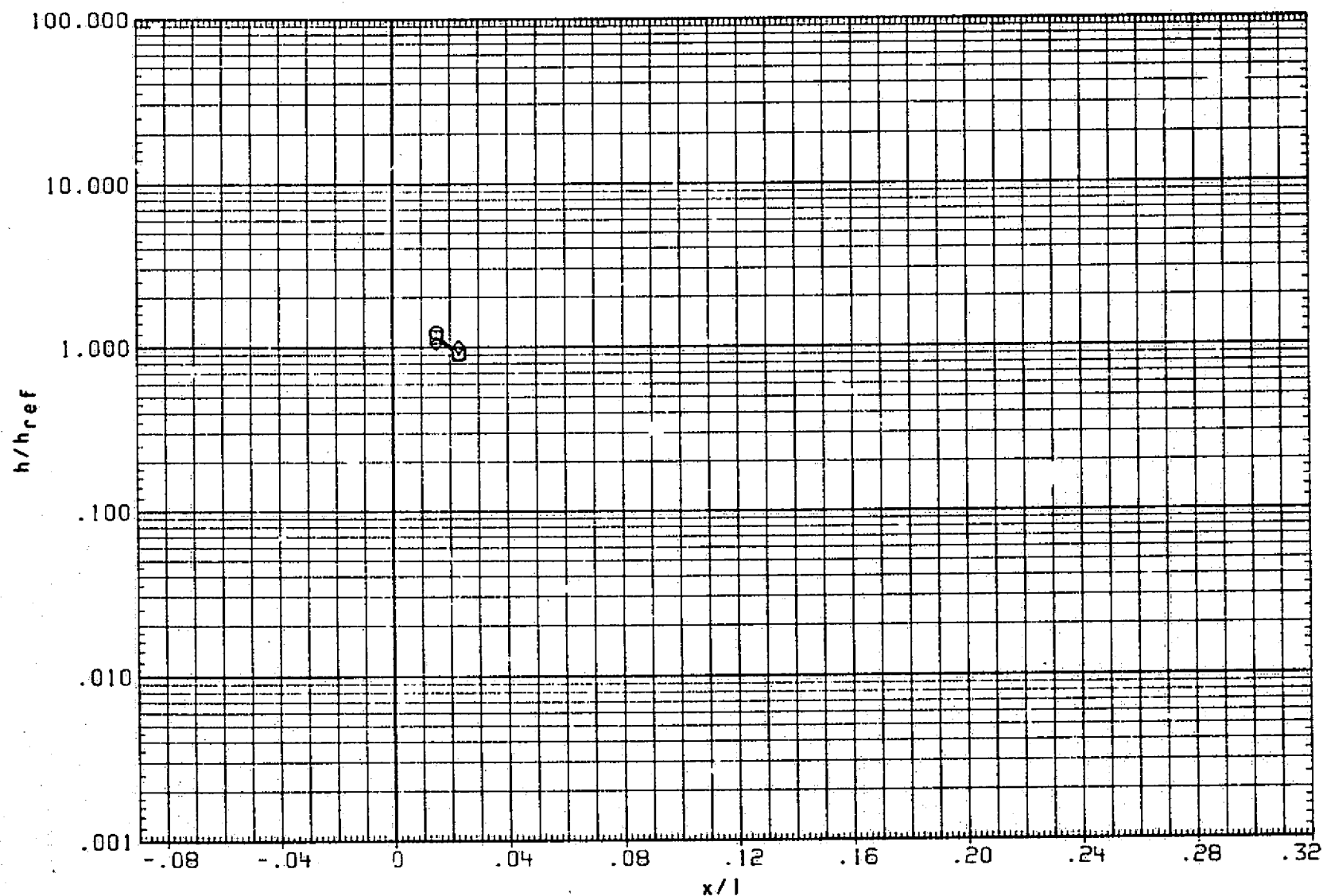


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

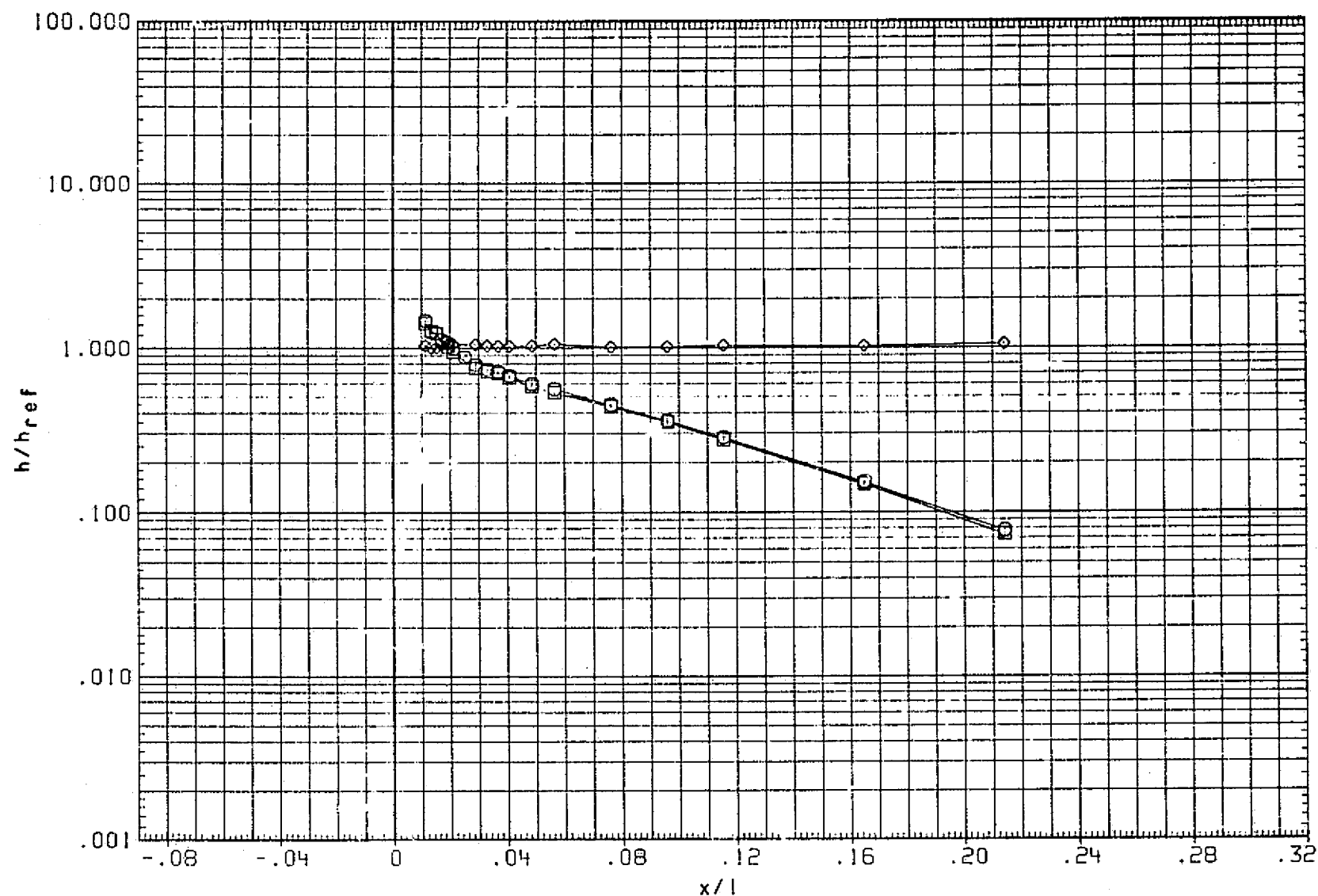


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUS	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

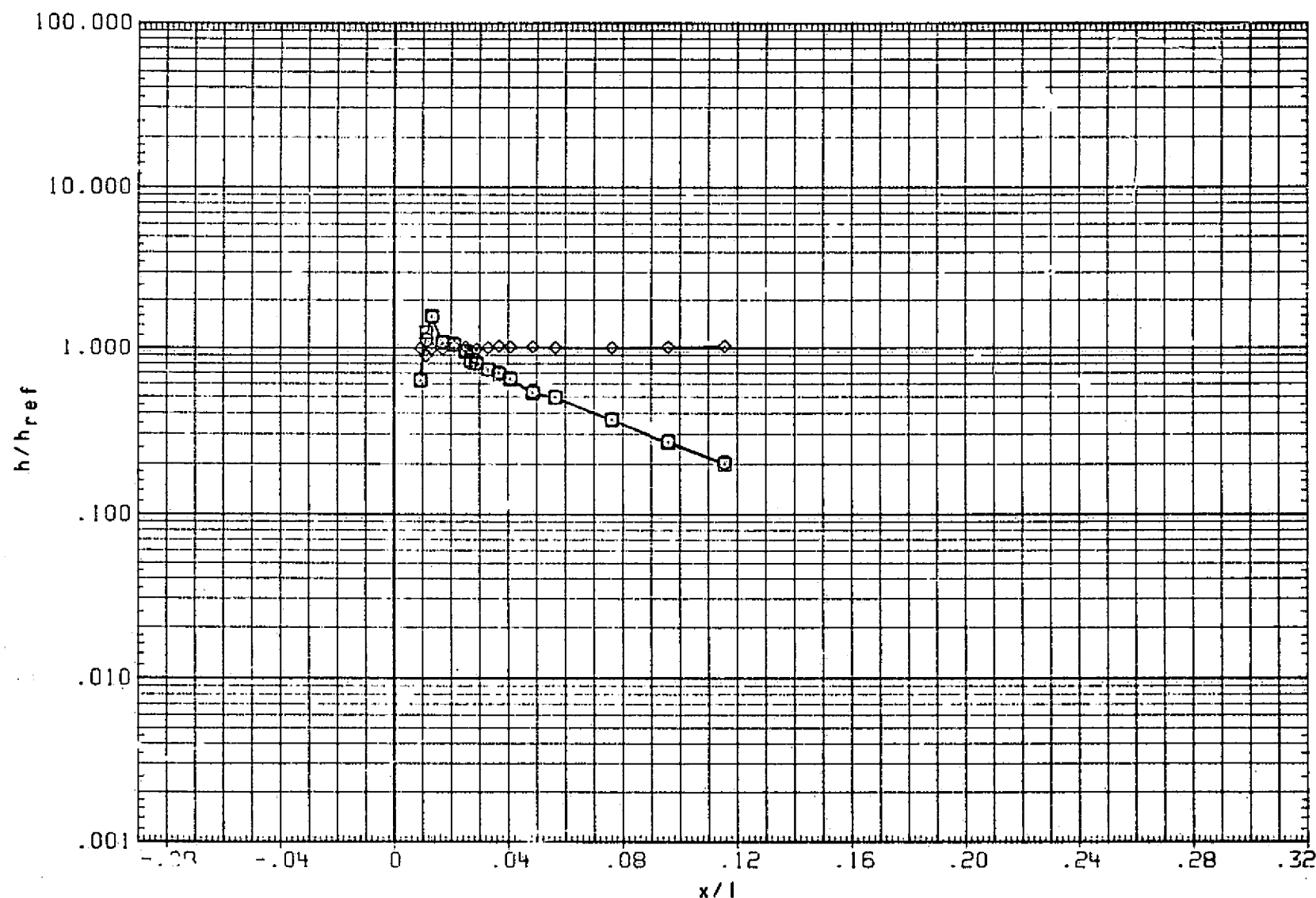


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 934

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

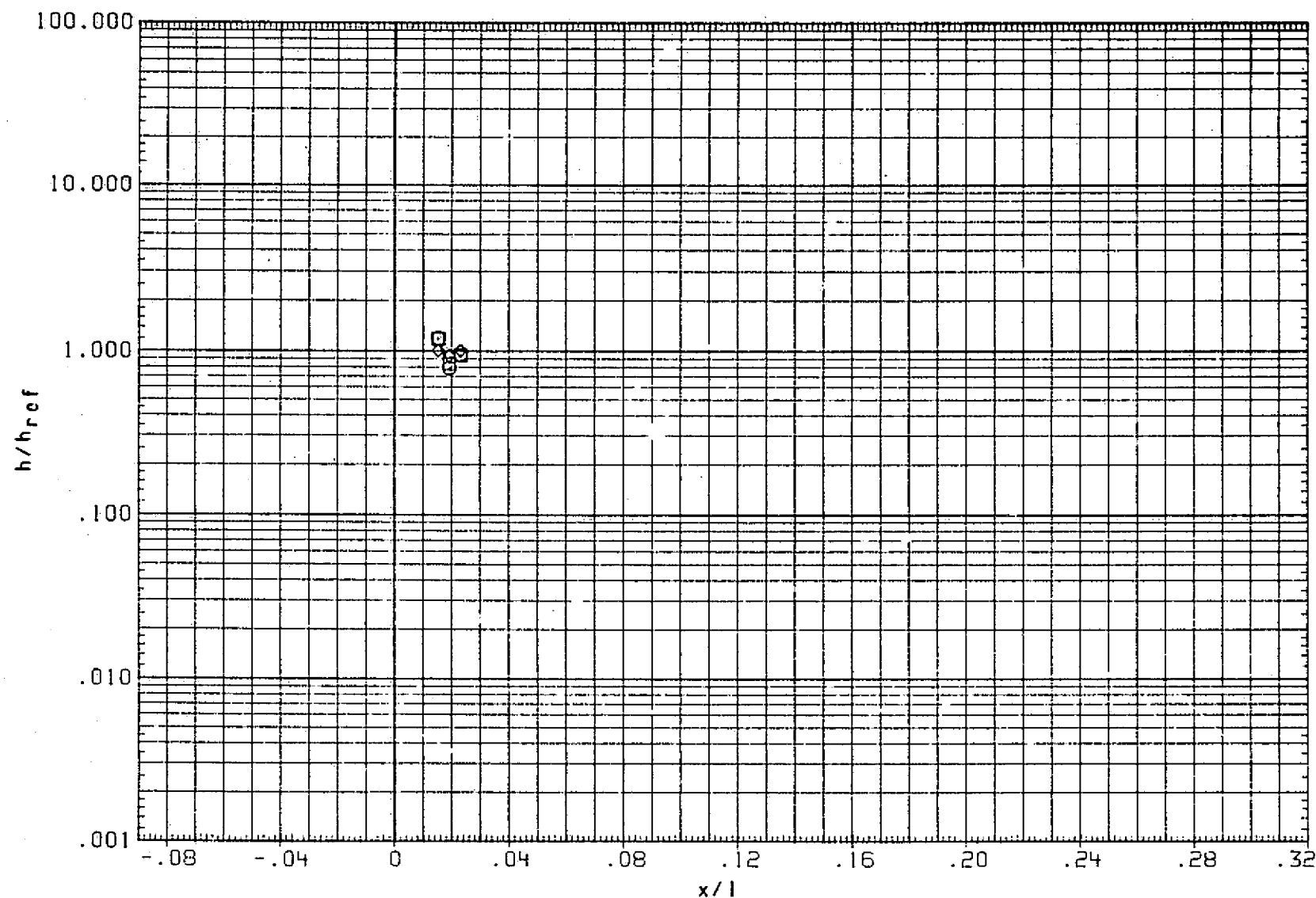


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(RNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

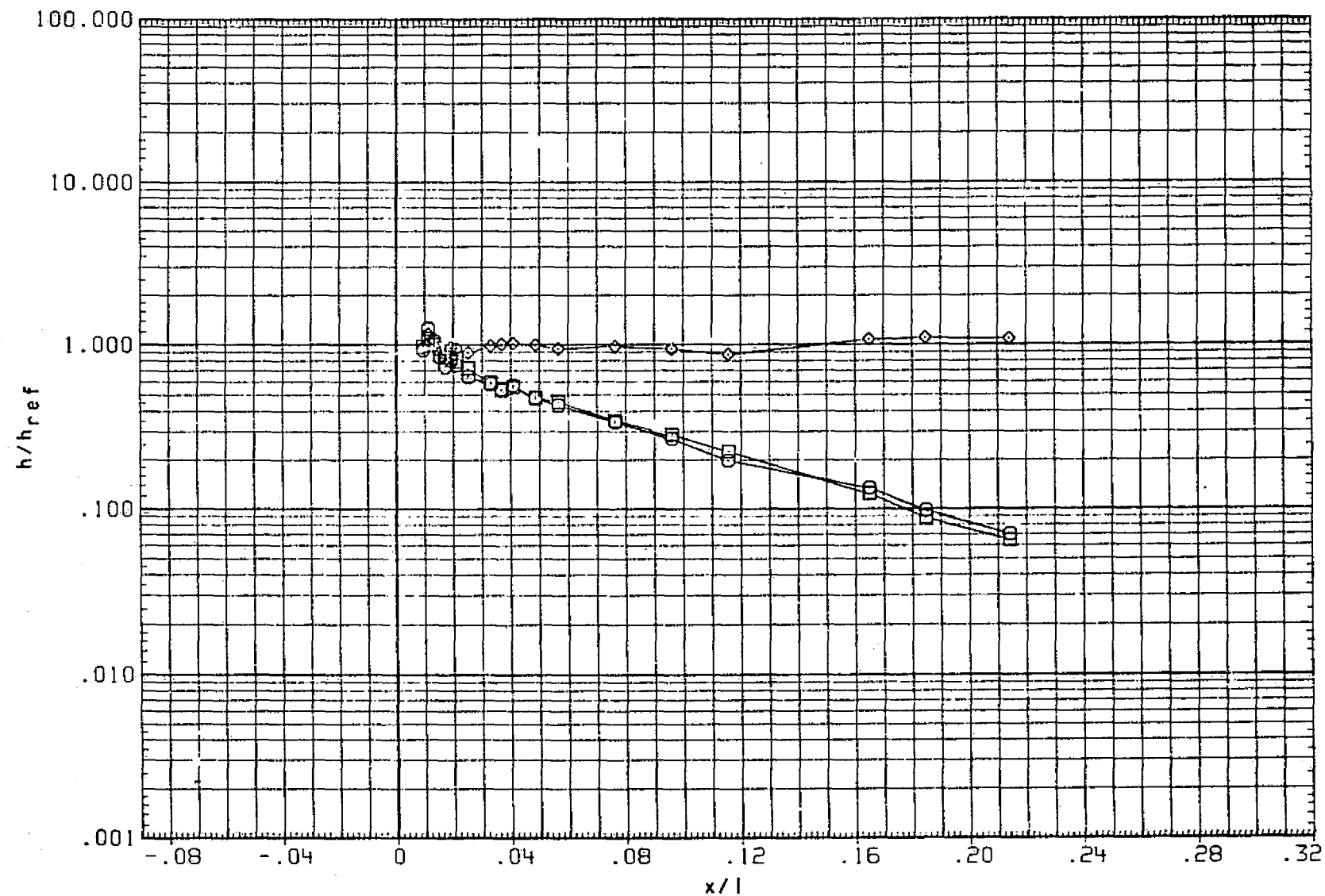


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

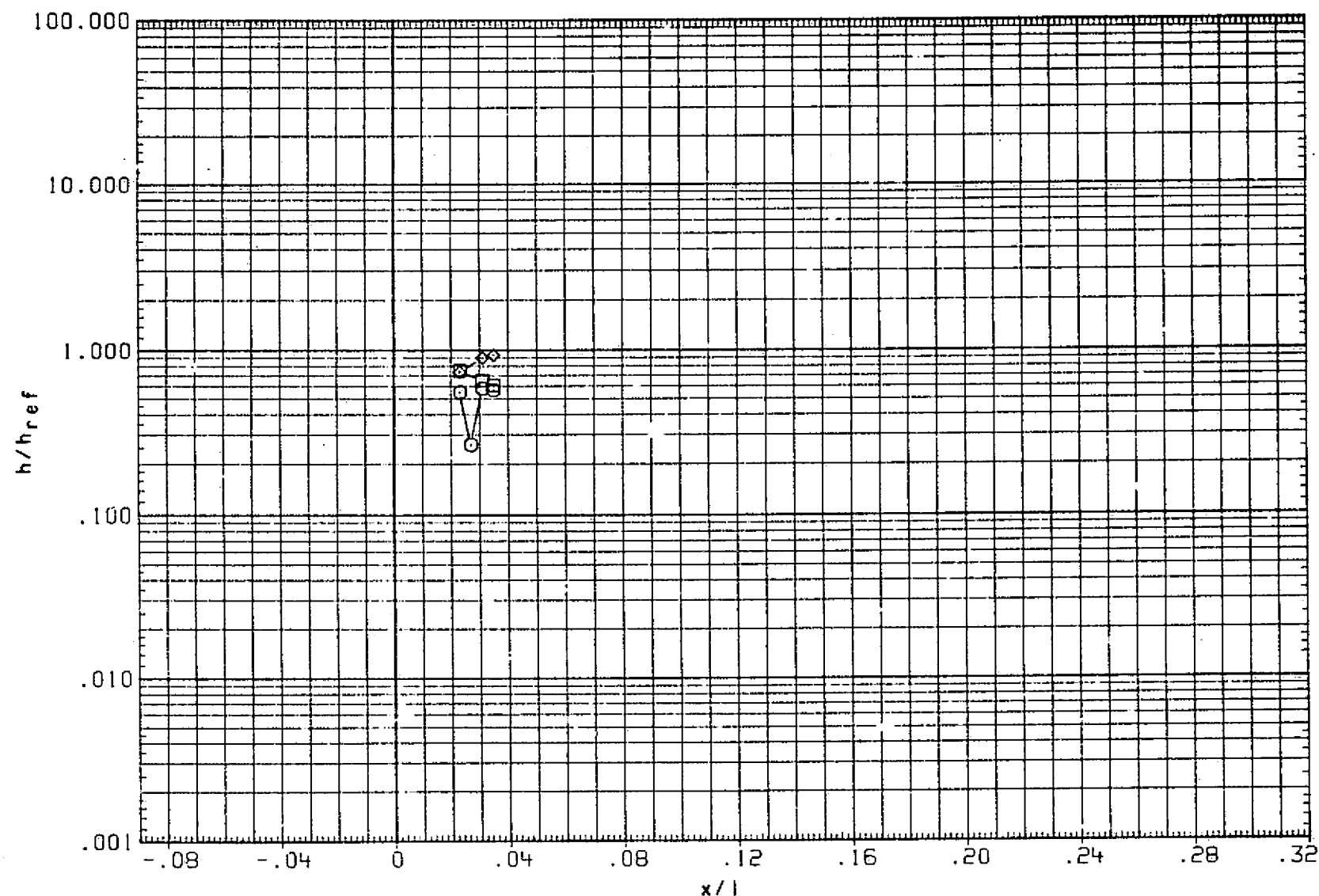


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

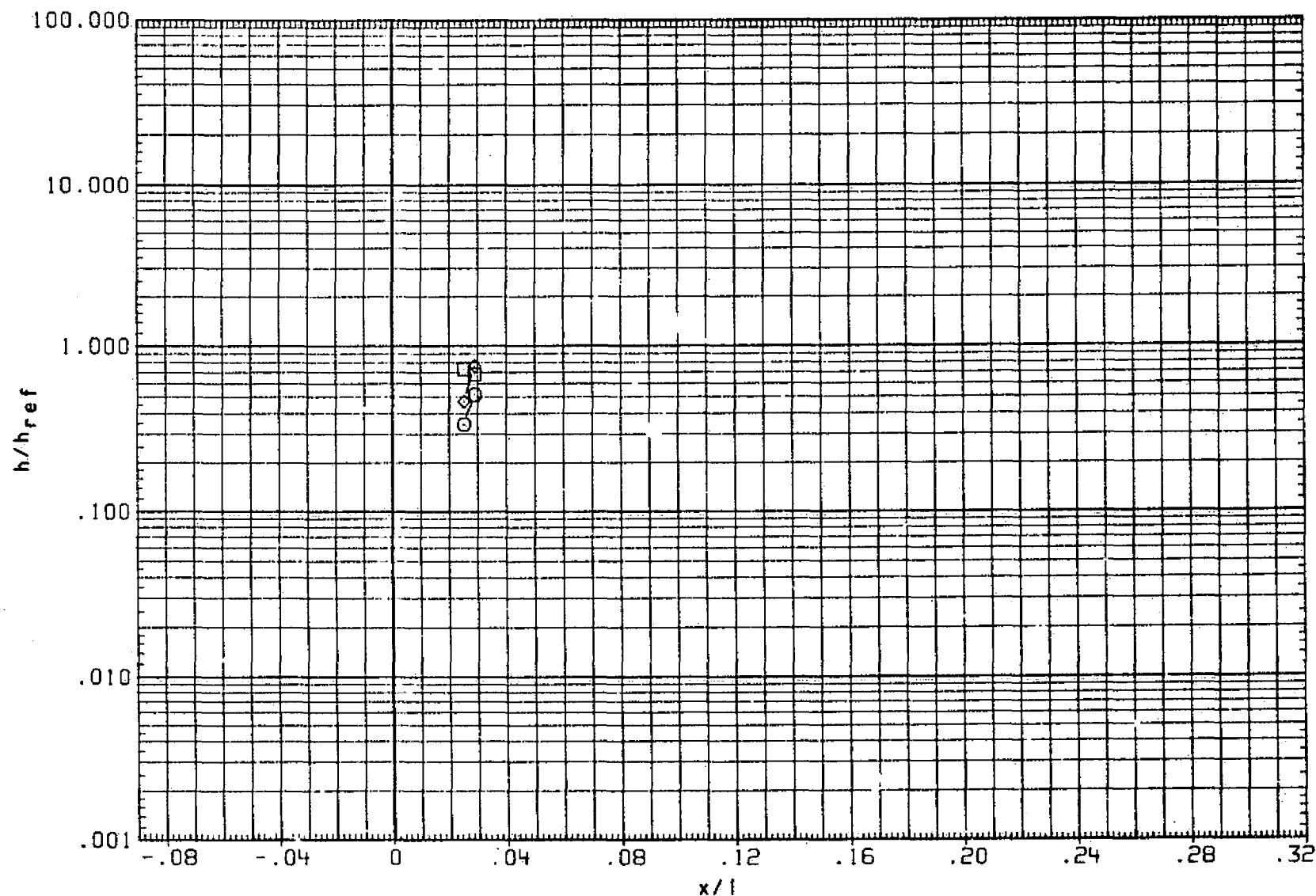


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

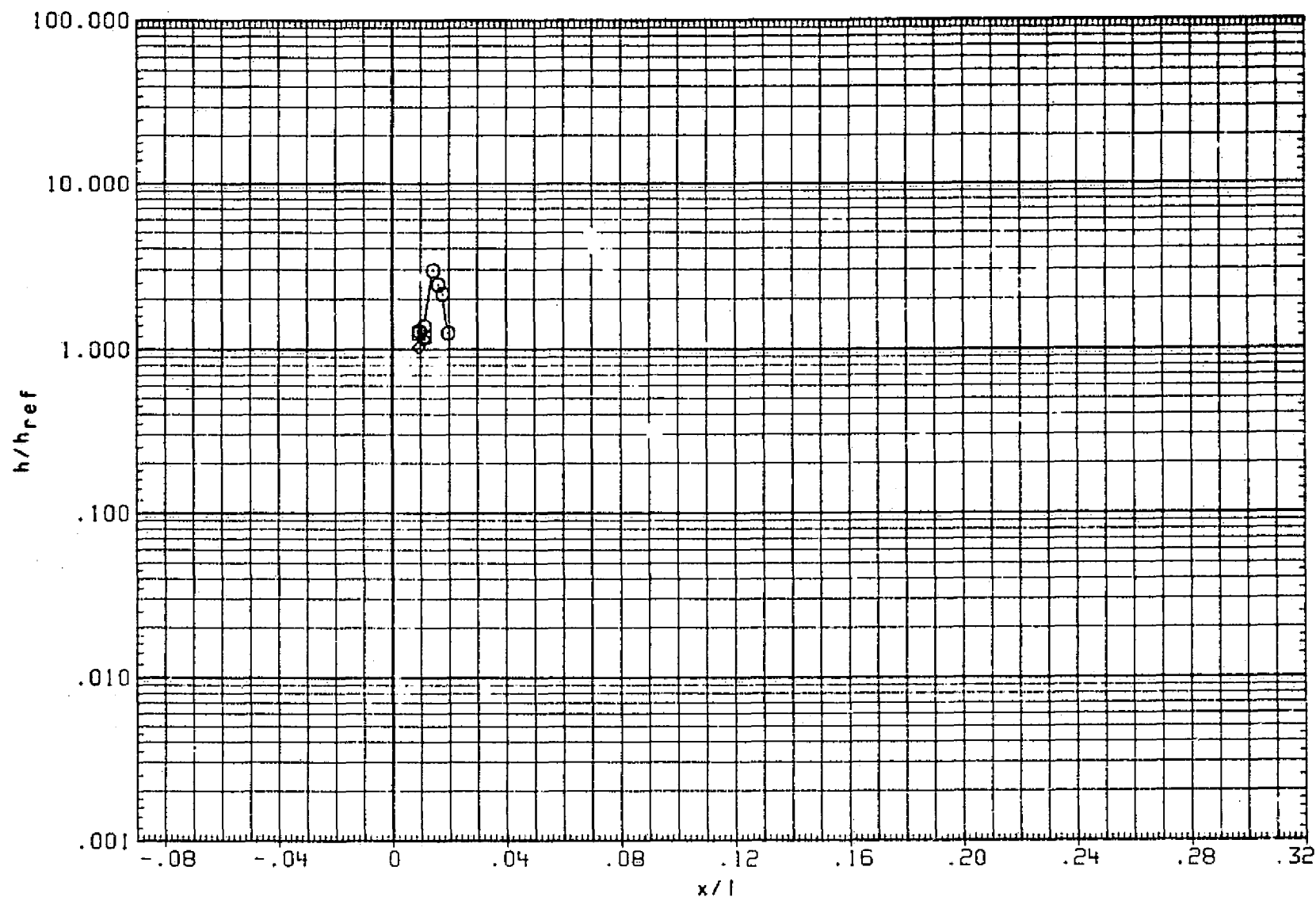


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

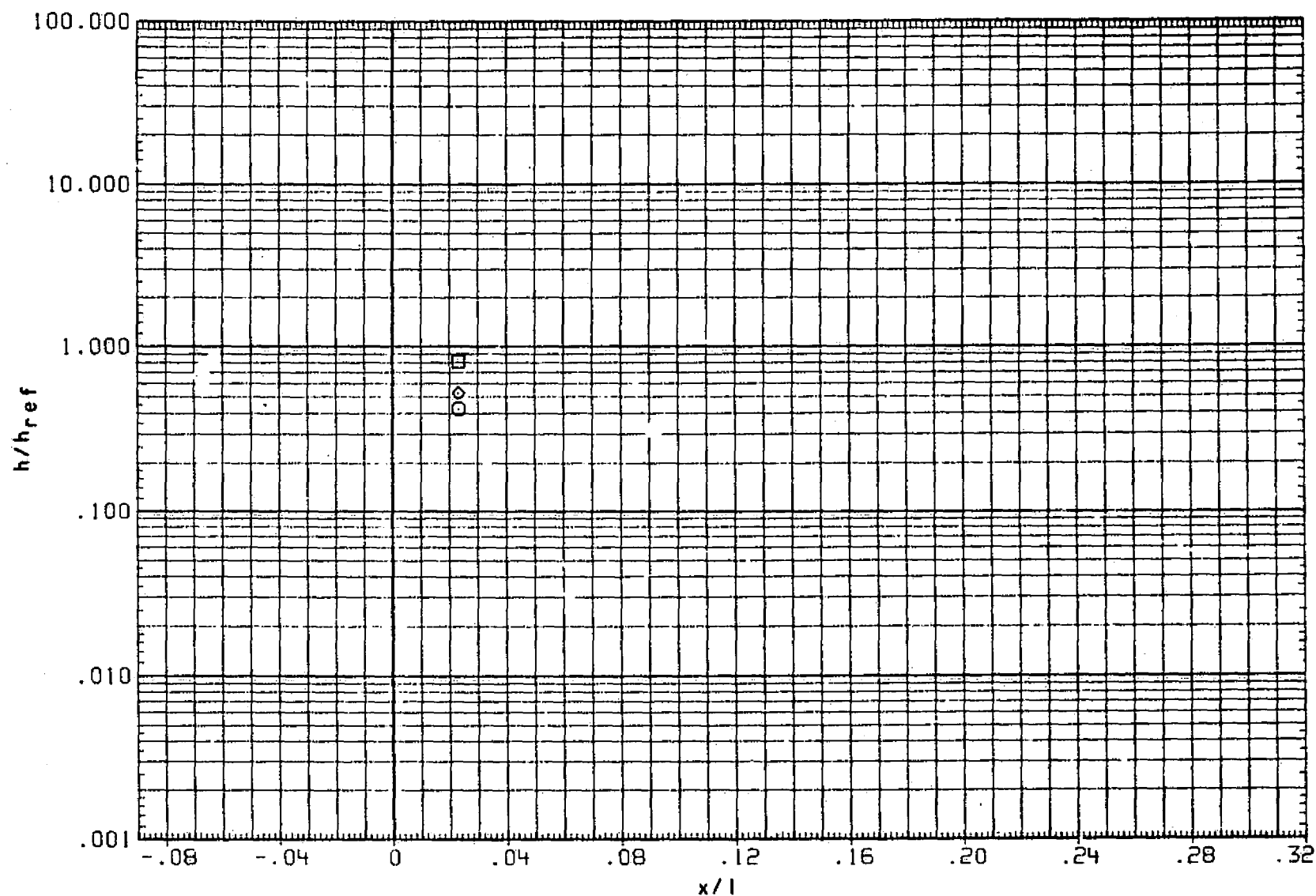


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 940

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

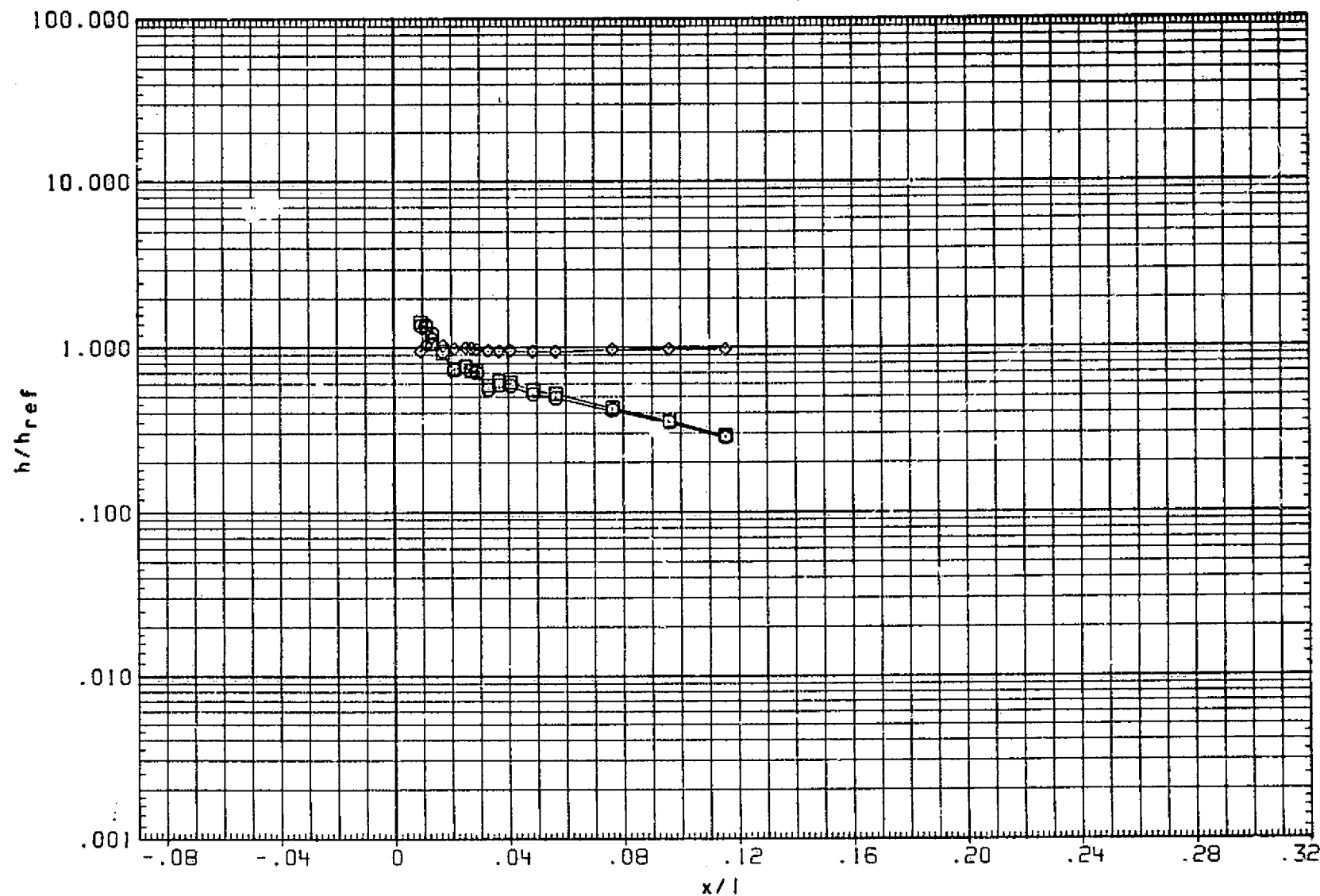


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT1 /RNTT28)	.000	6.000	5.000

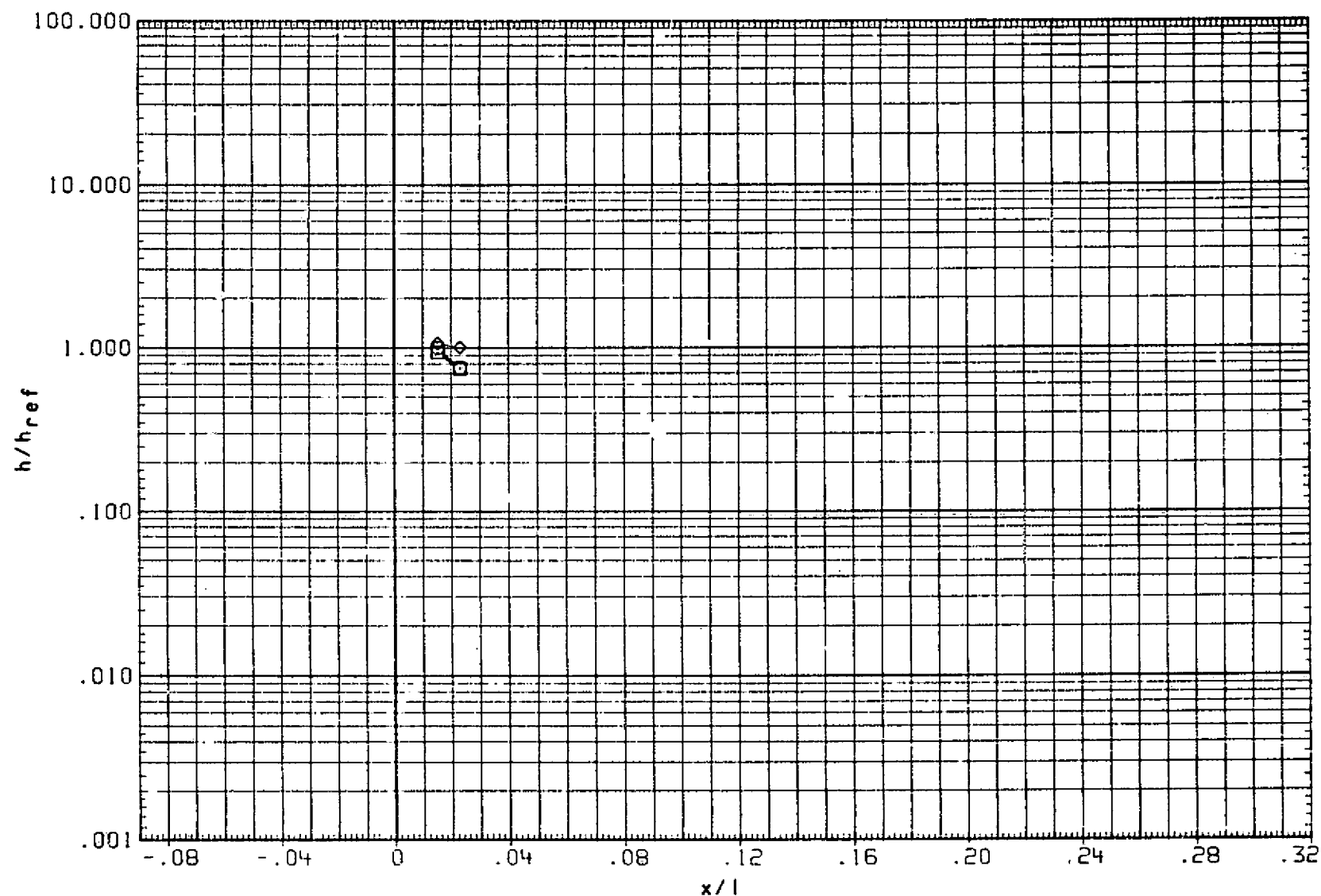


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 942

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE FT NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT28)	.000	6.000	5.000

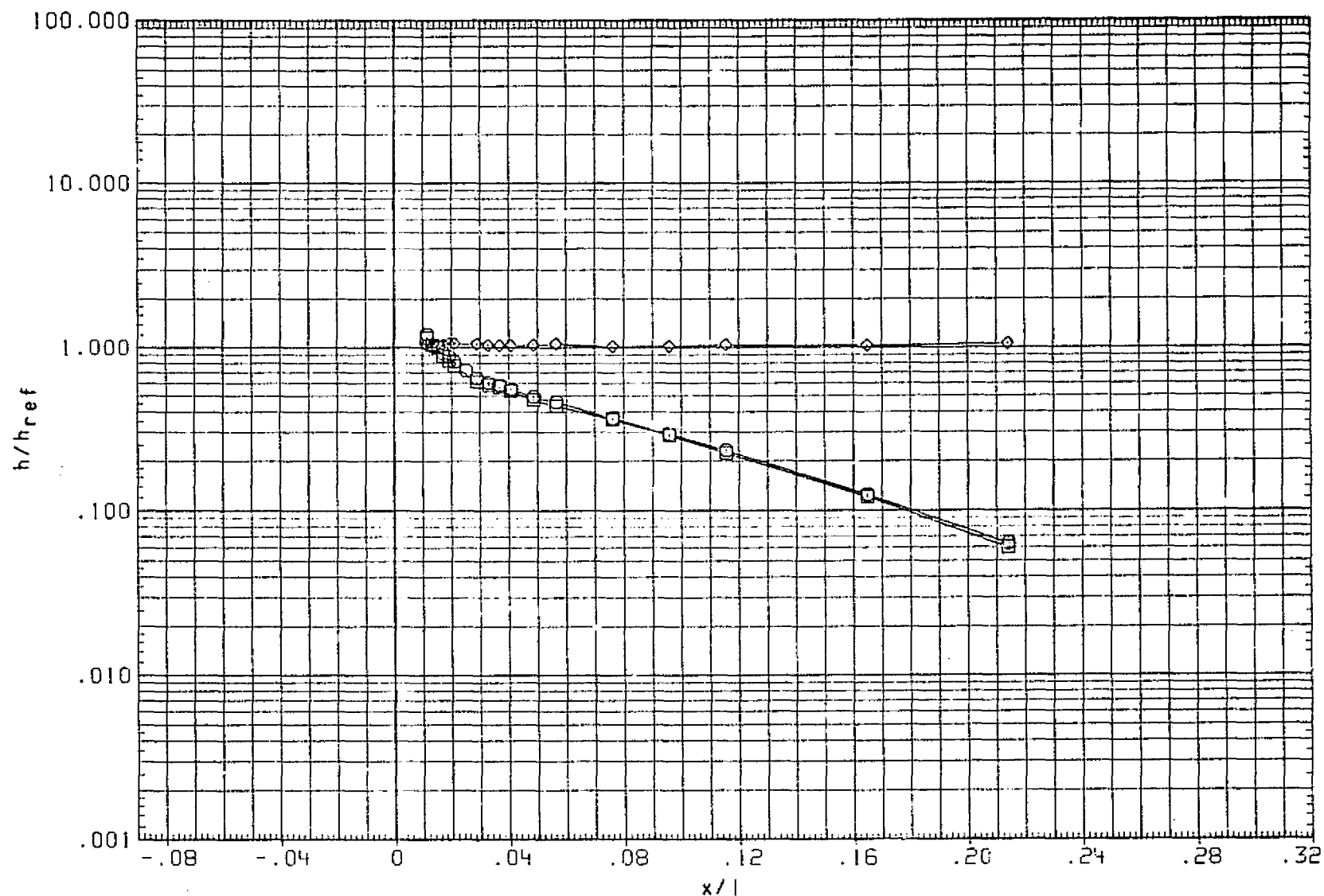


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

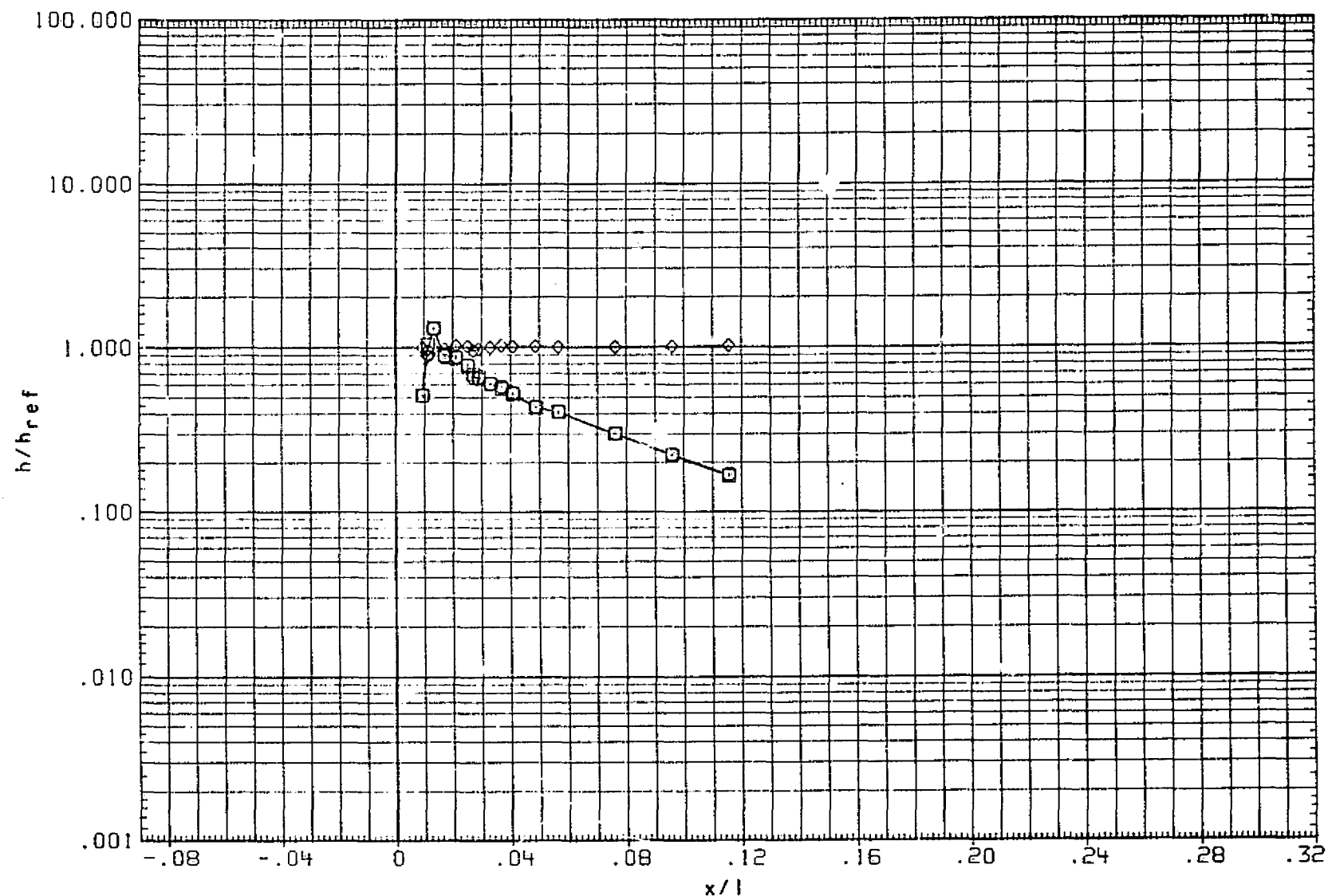


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 944

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT28)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	6.000	5.000
(BNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT28)	.000	6.000	5.000

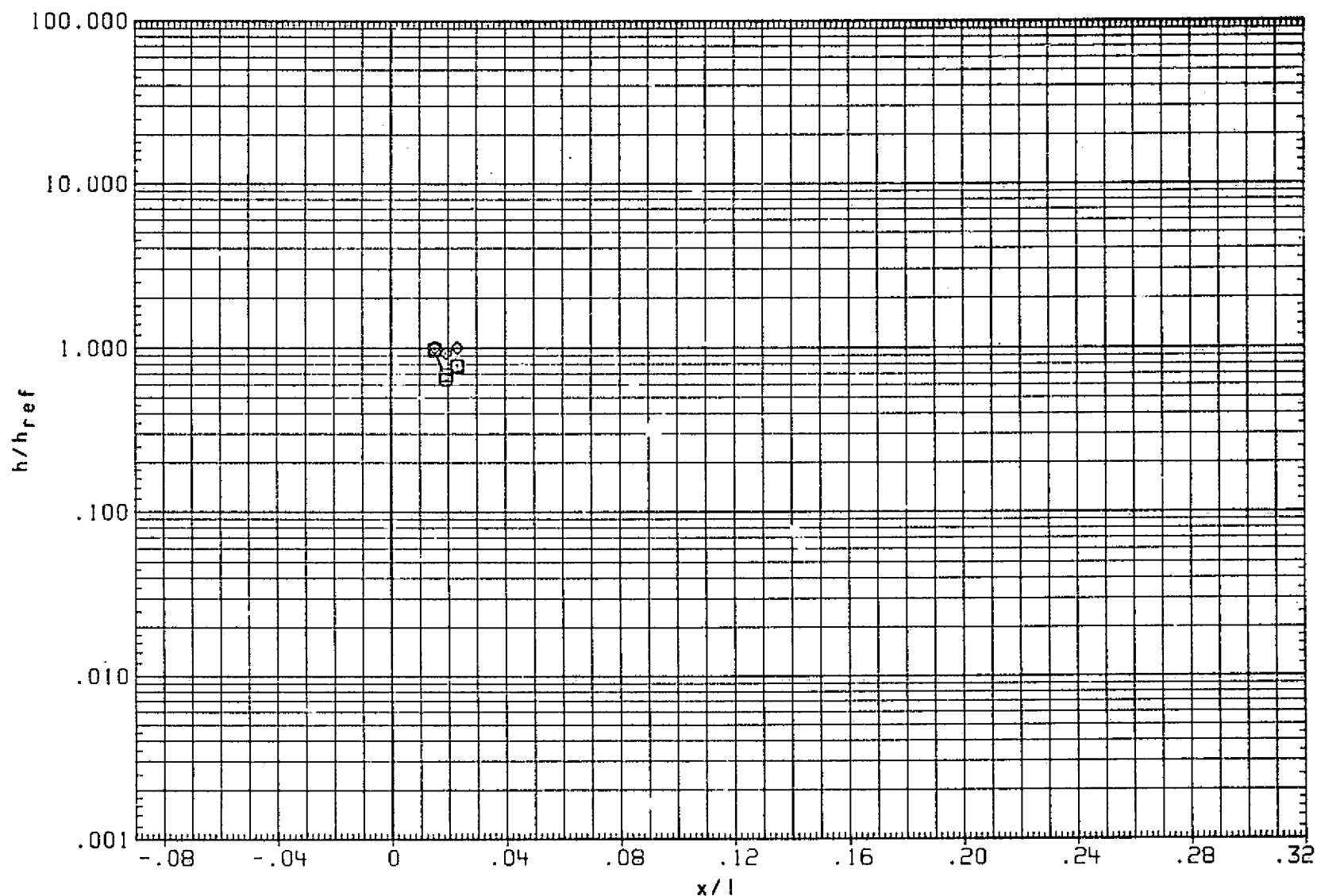


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

PAGE 945

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	Re/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

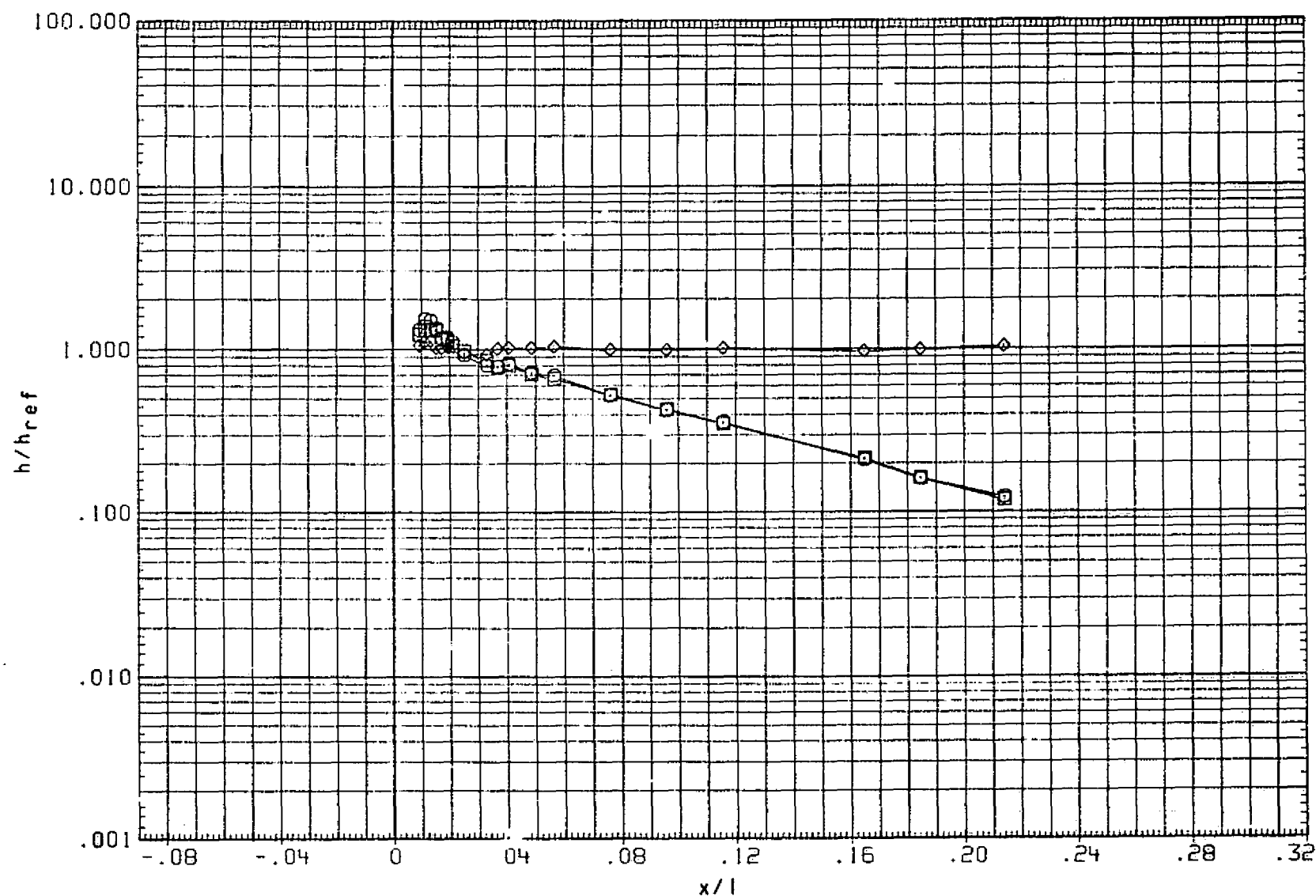


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(RNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

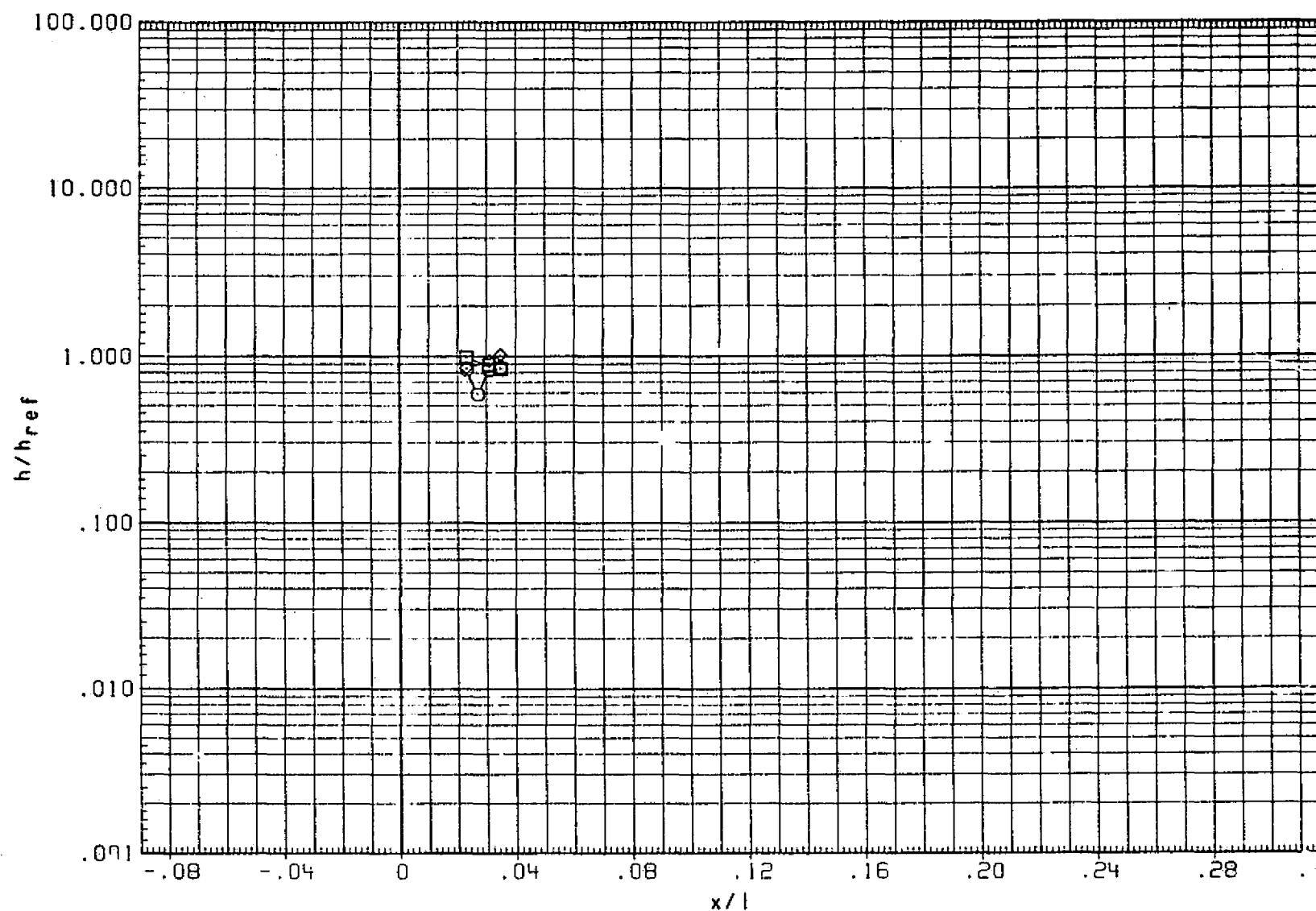


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

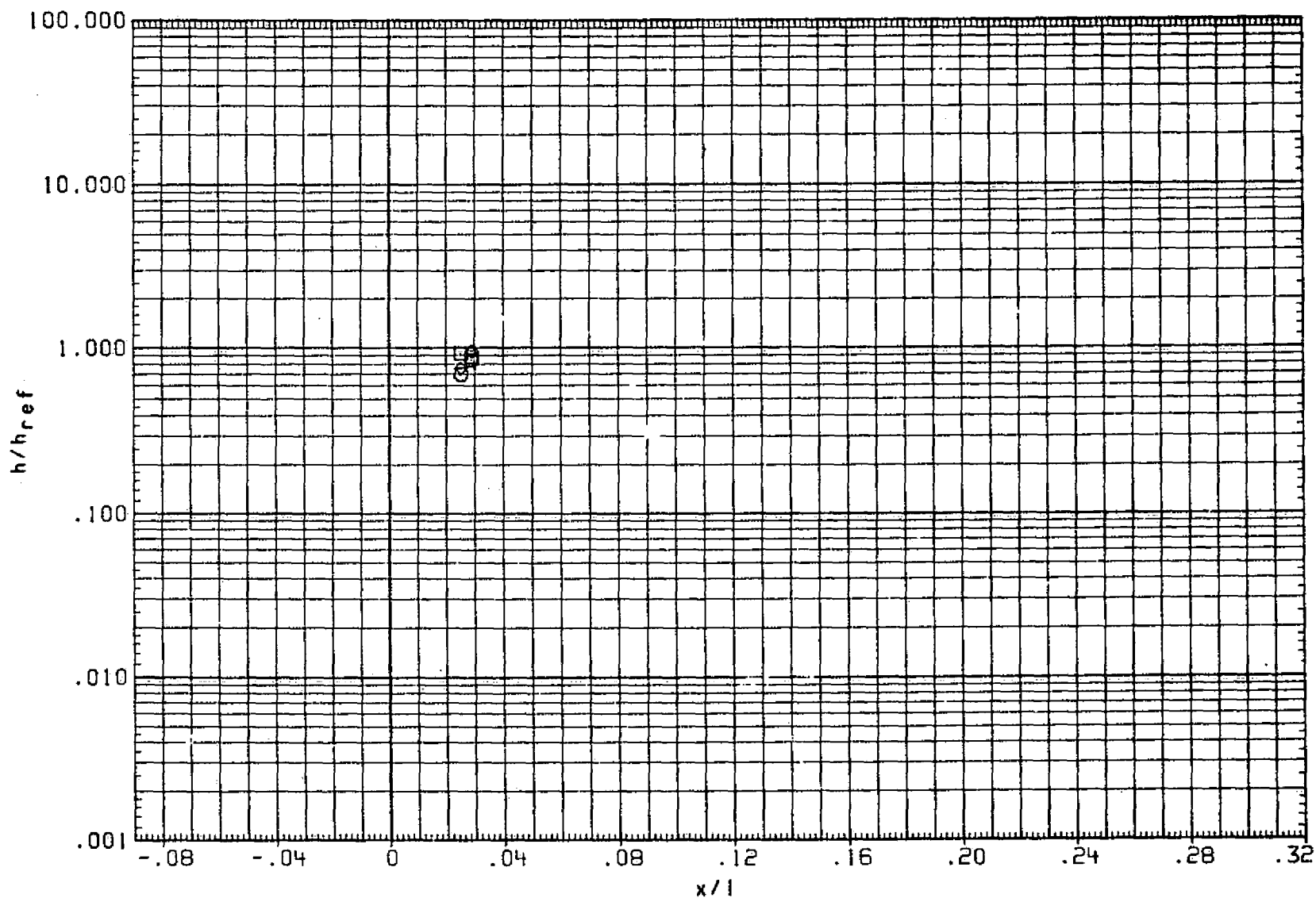


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 948

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

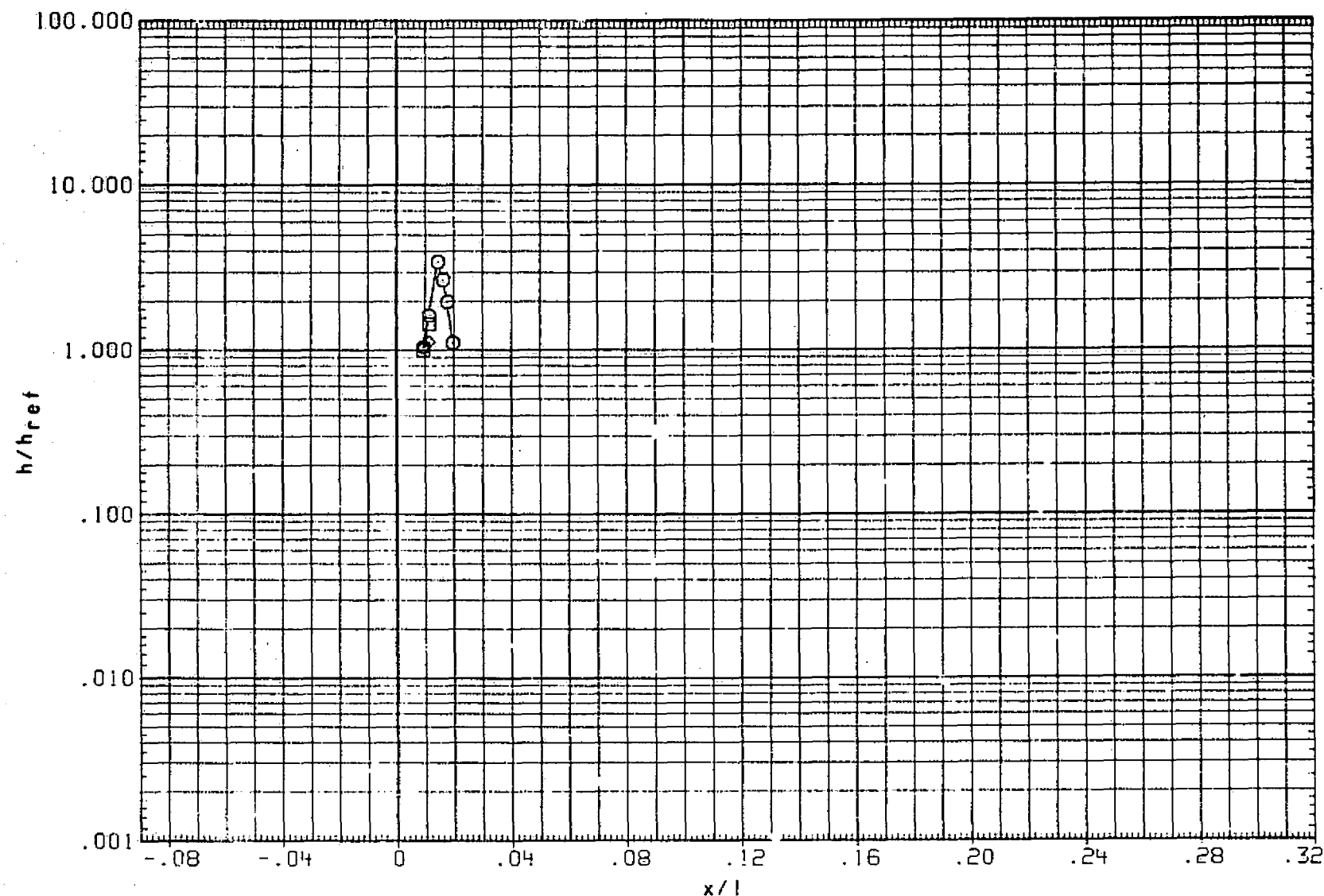


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

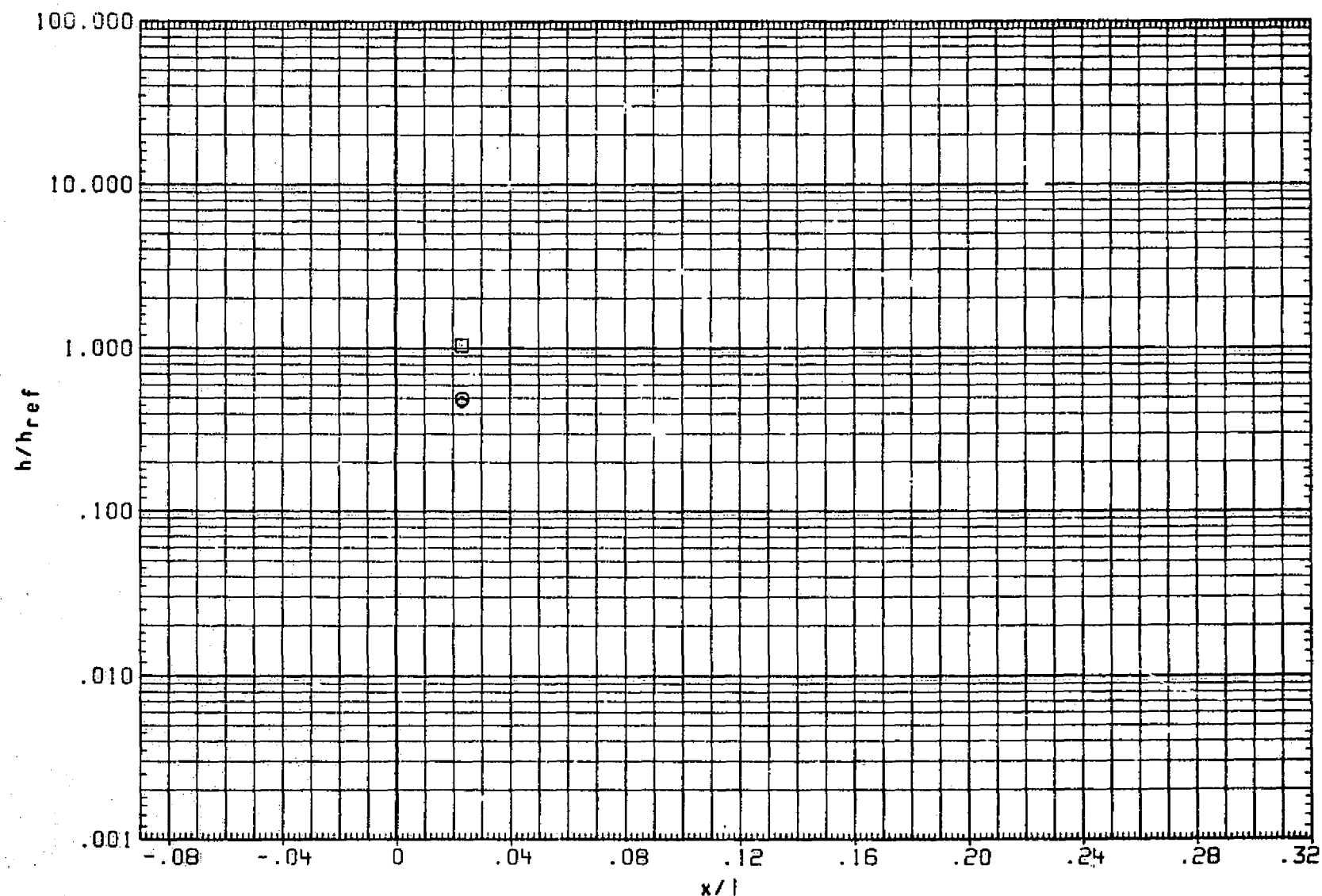


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 950

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

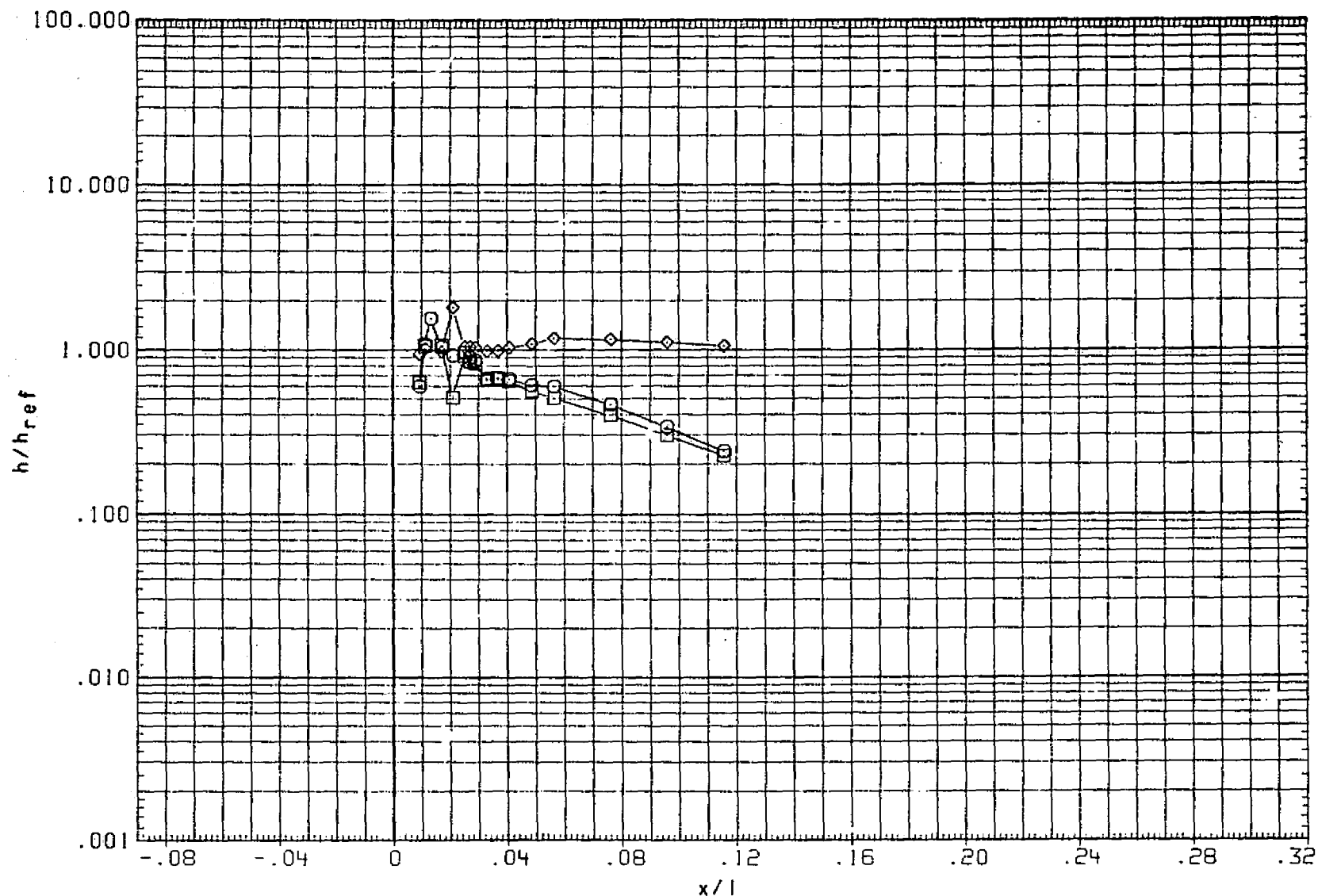


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAN/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUS	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

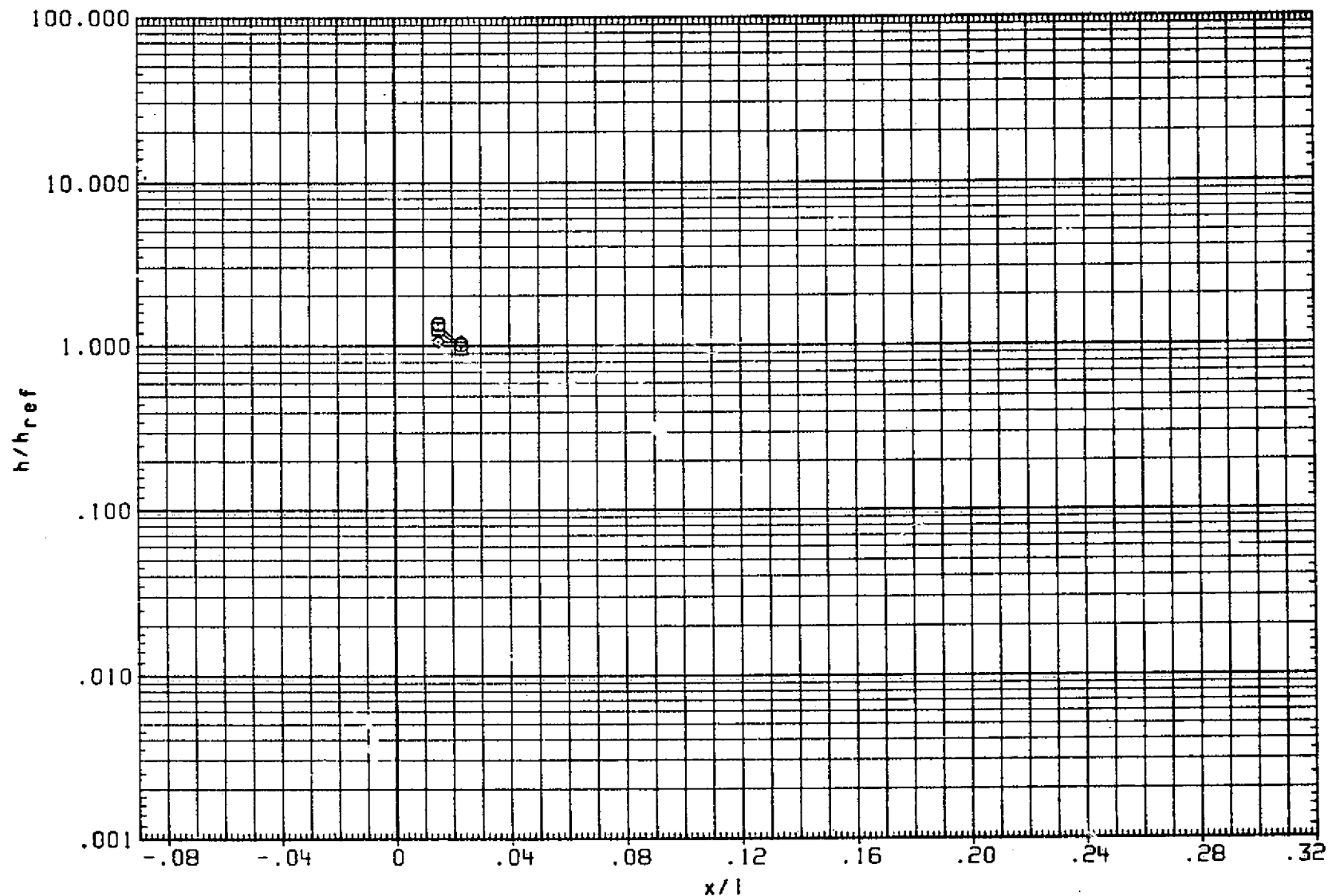


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

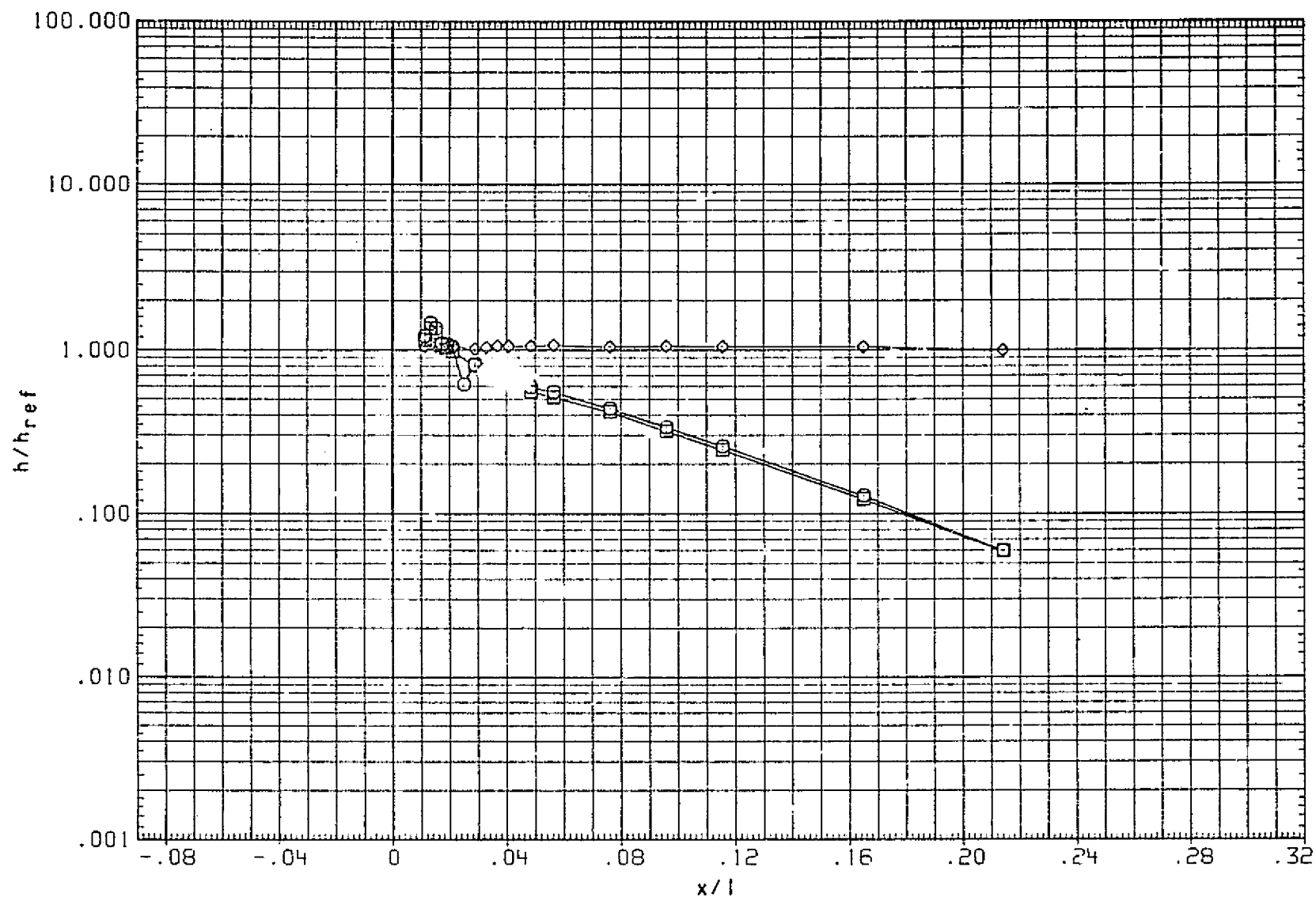


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

PAGE 953

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

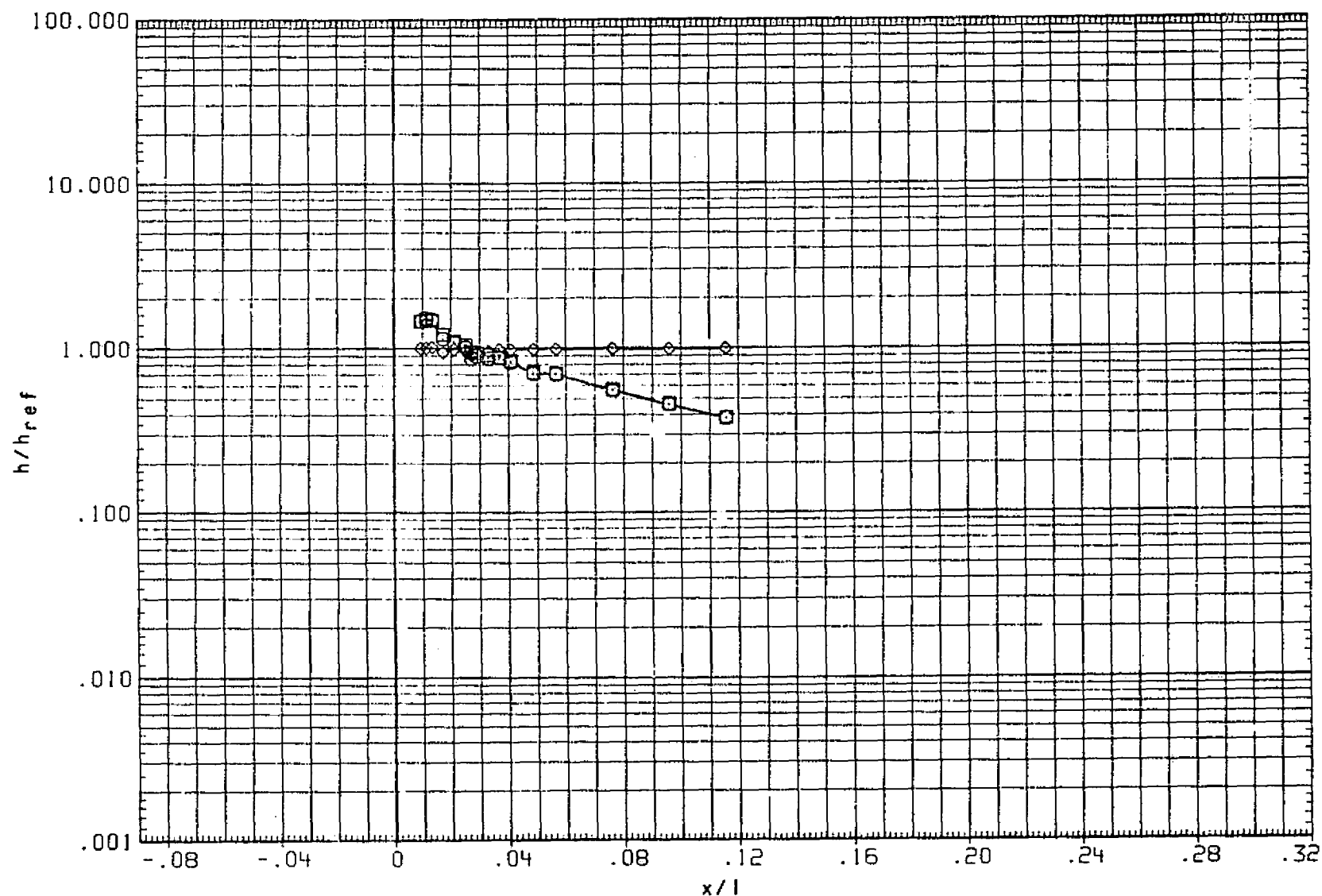


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

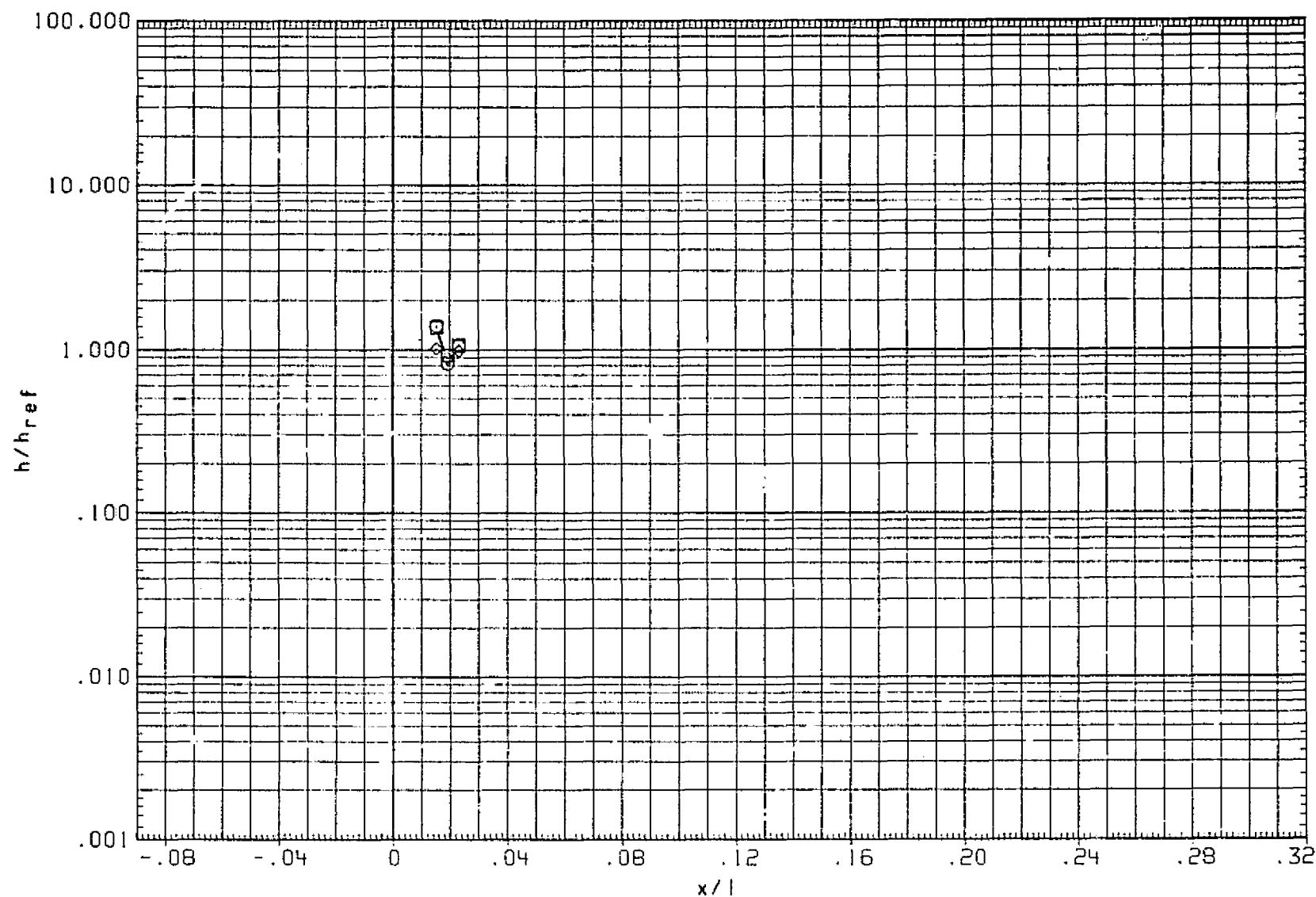


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

PAGE 955

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

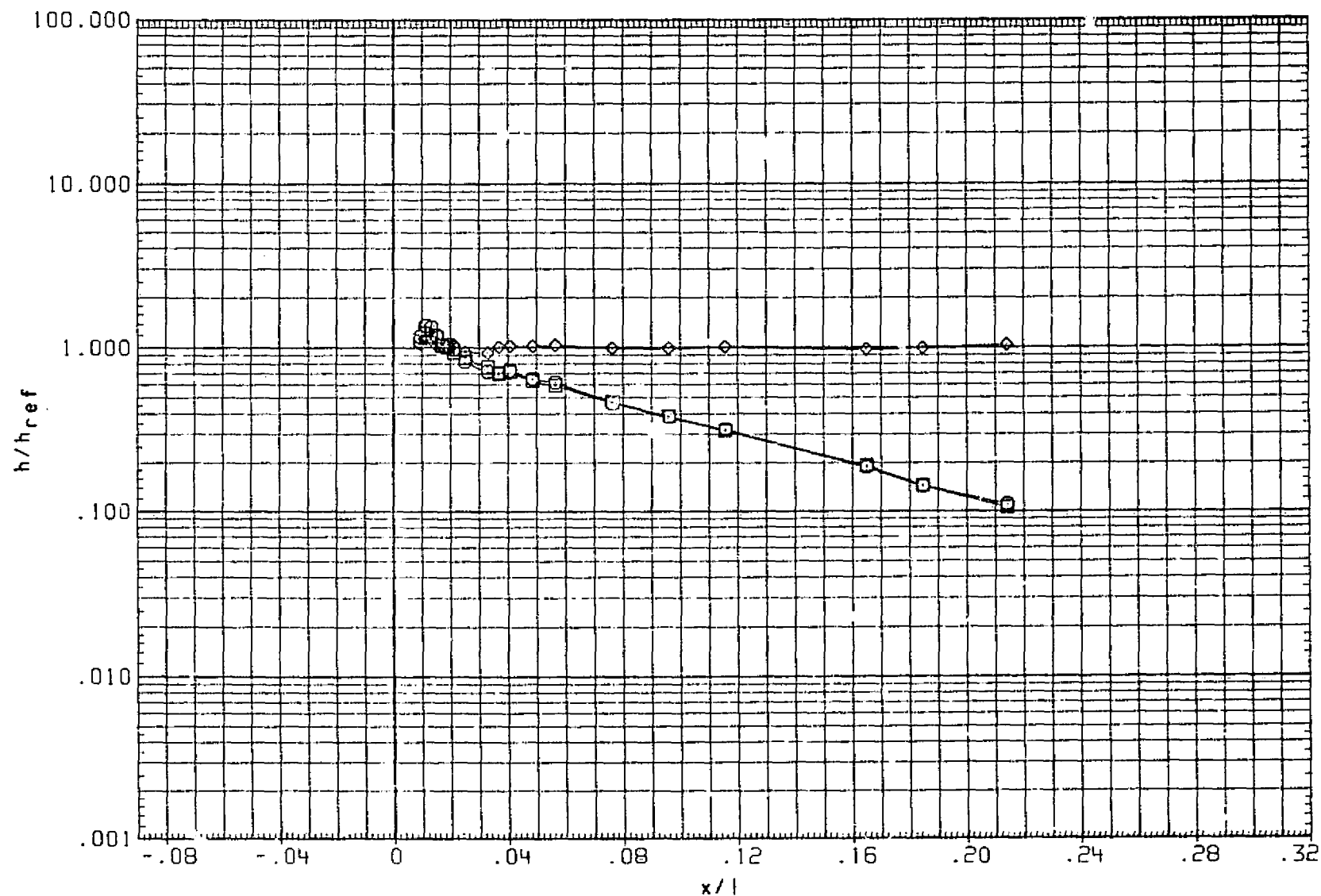


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

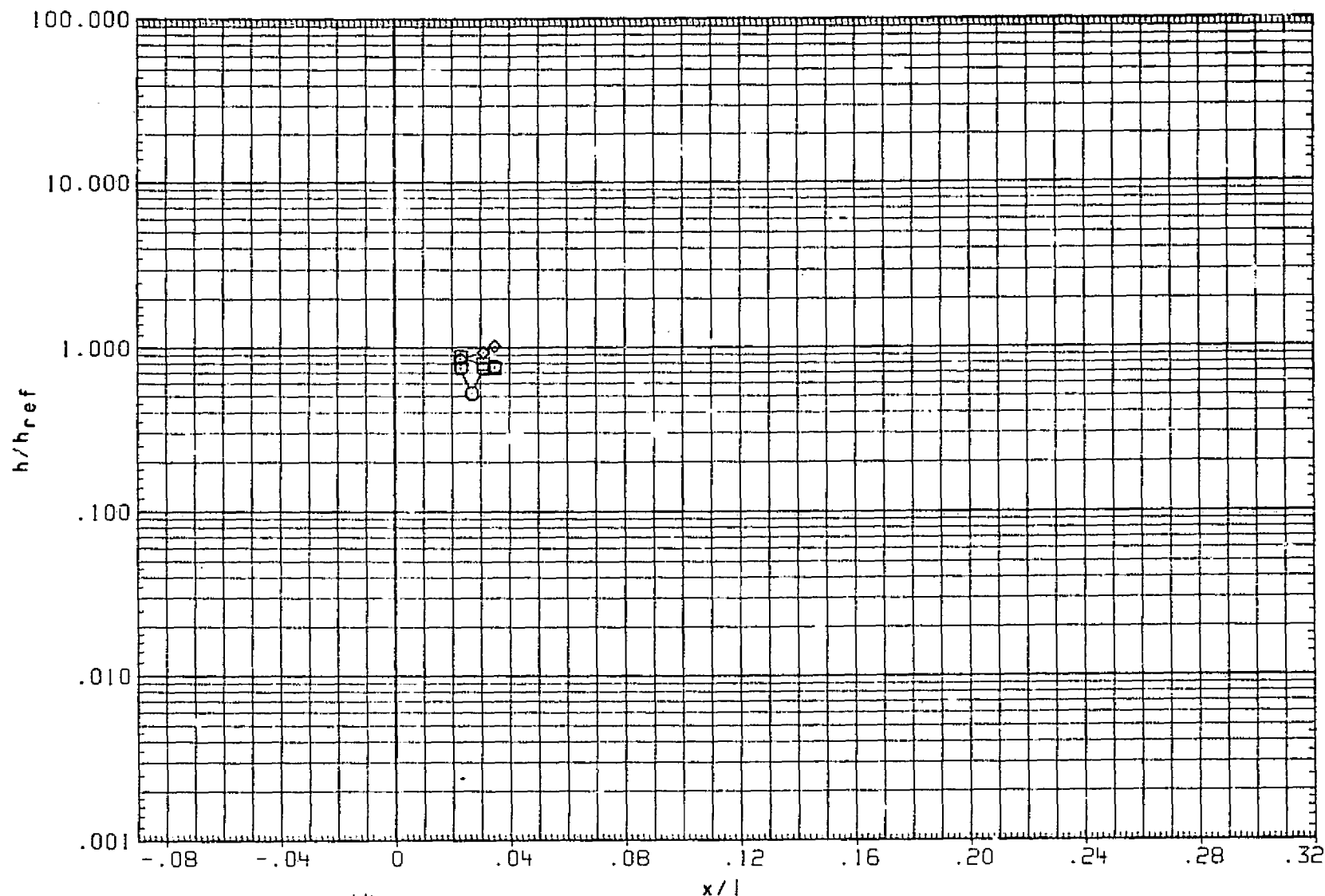


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .90U THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

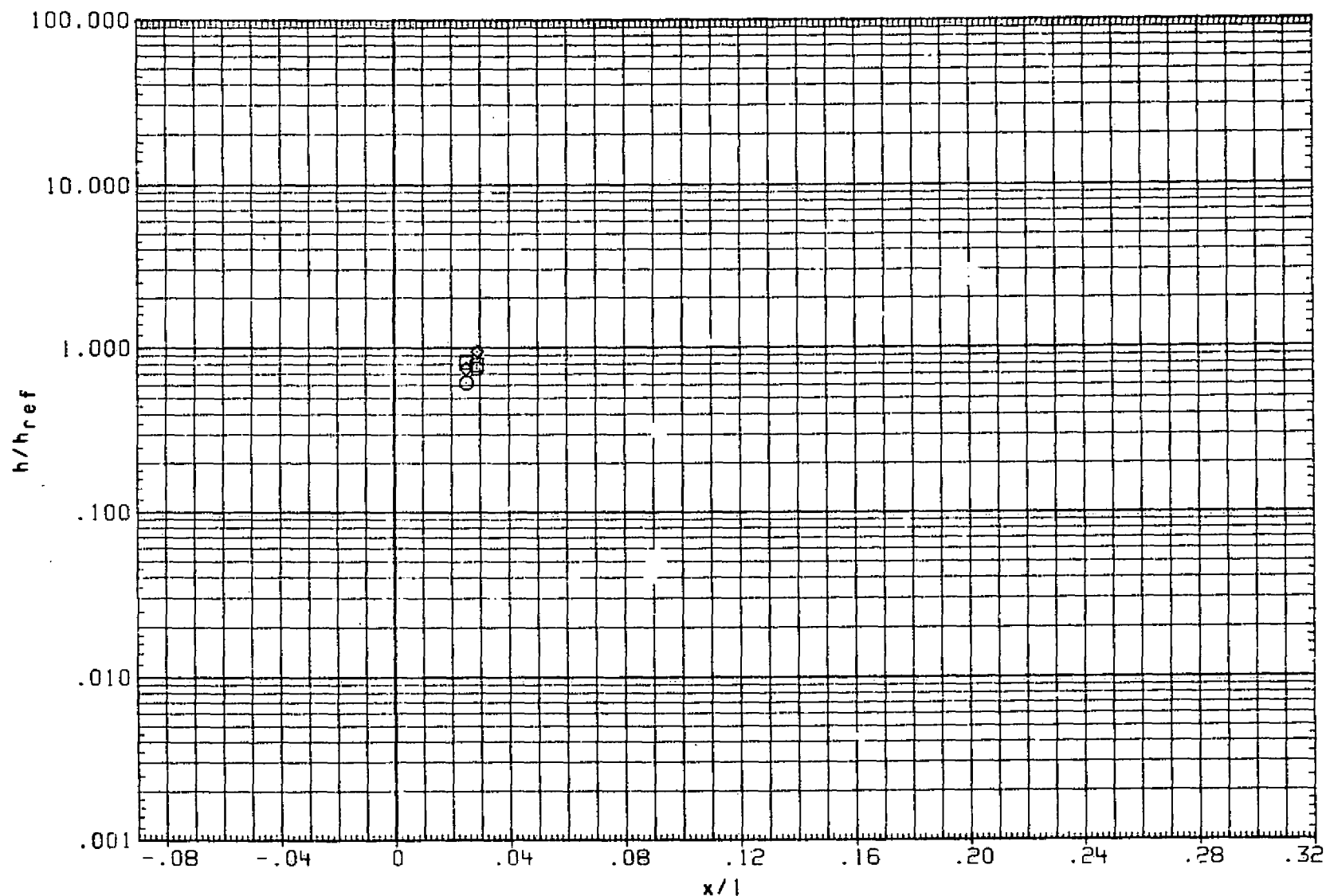


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 958

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

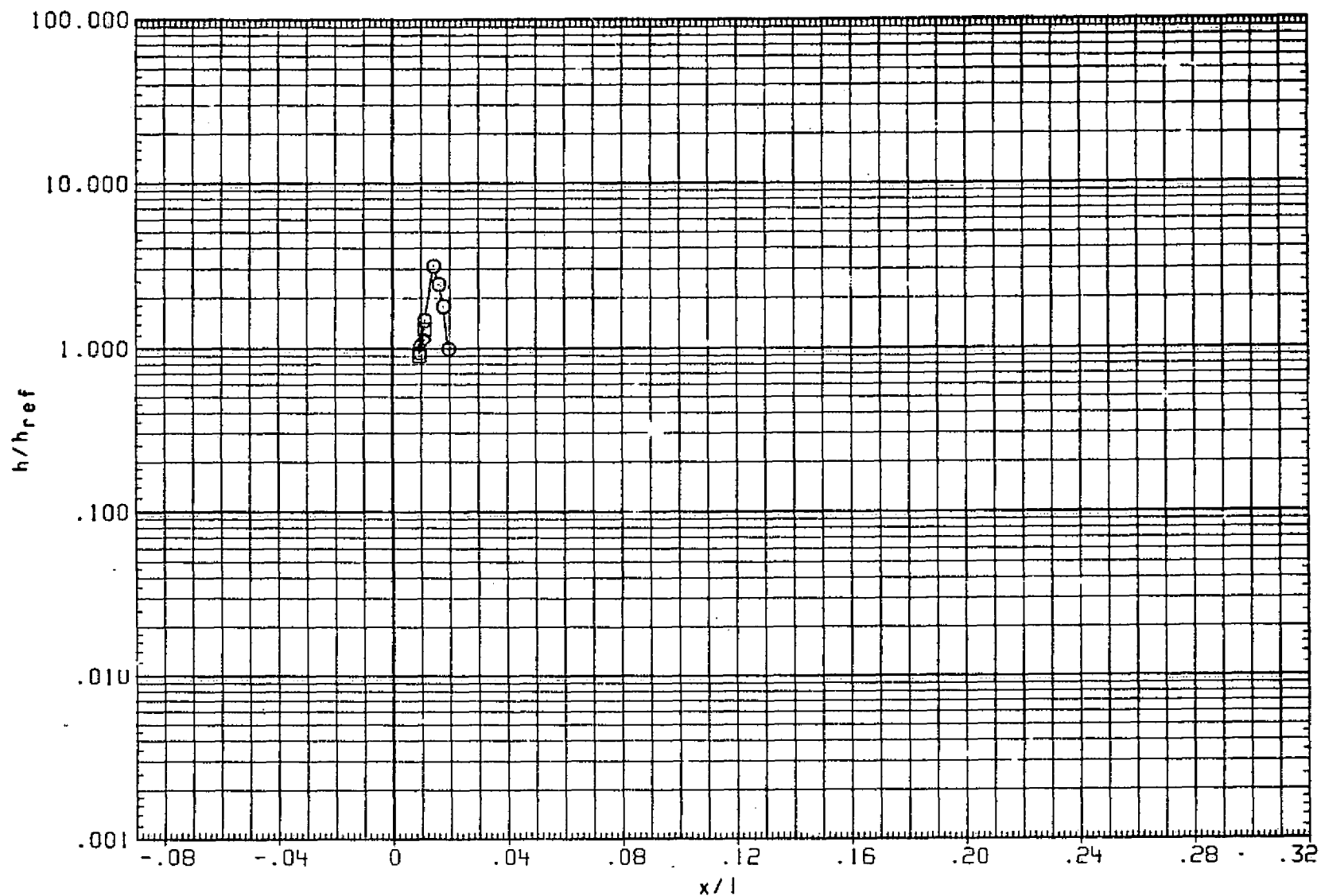


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

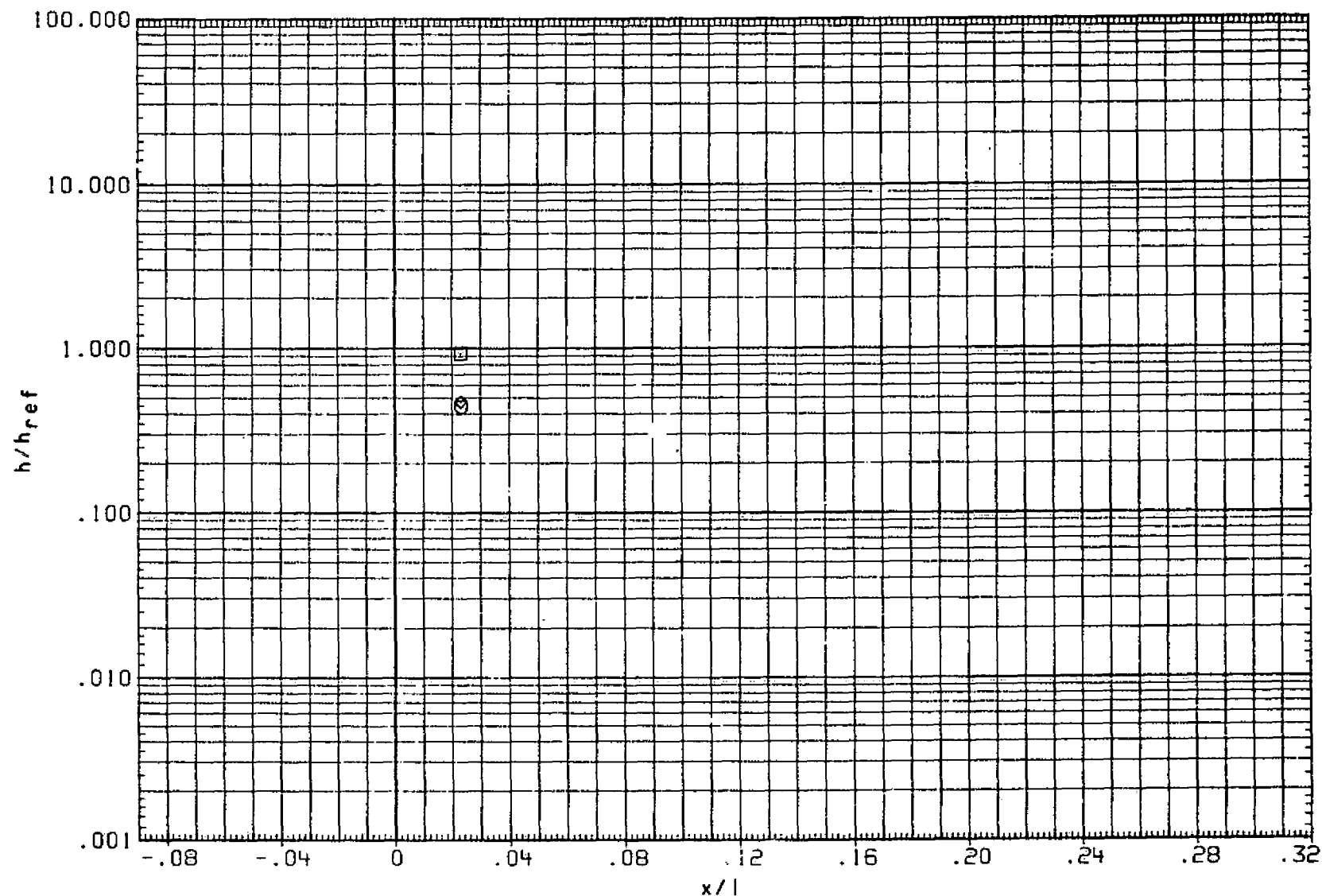


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 960

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

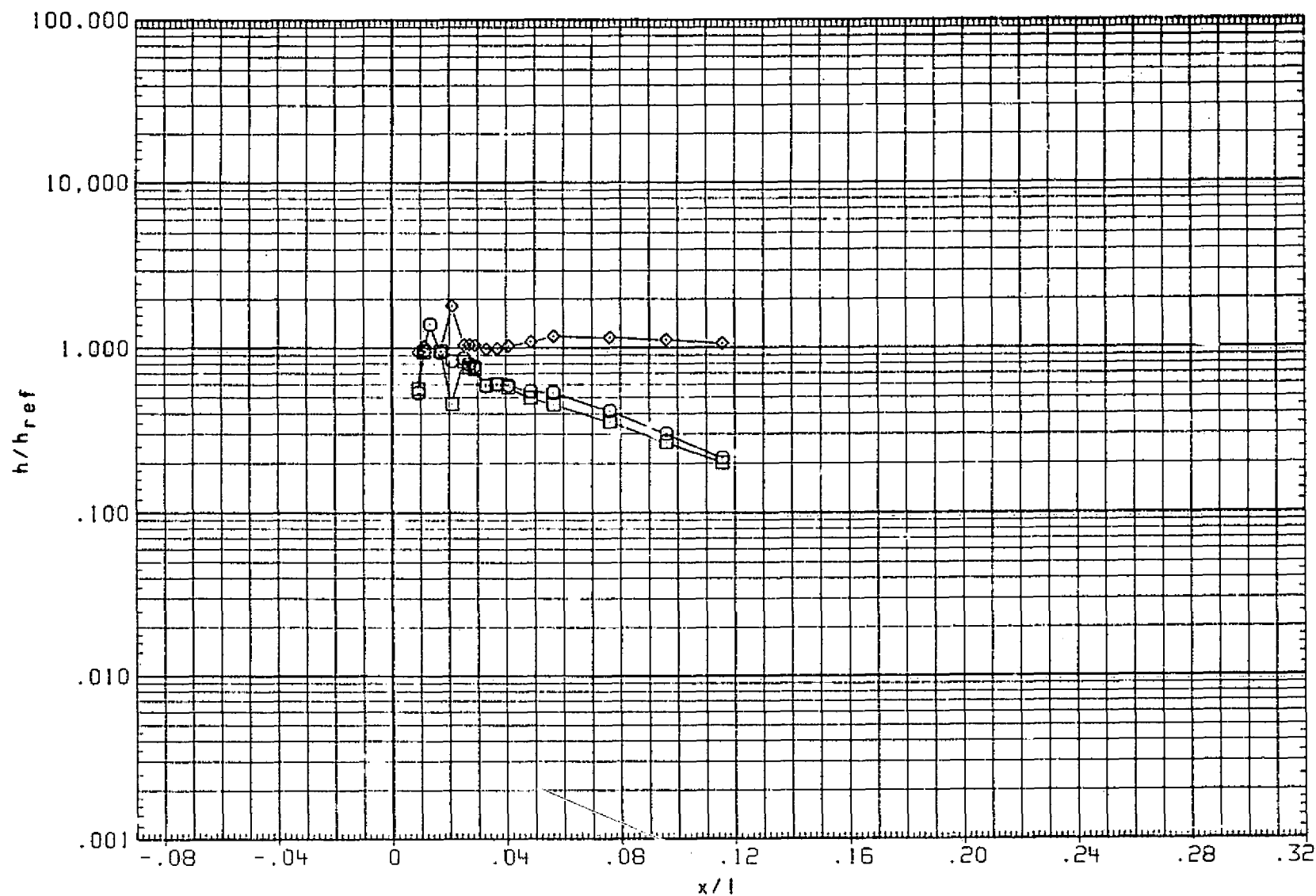


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

PAGE 961

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

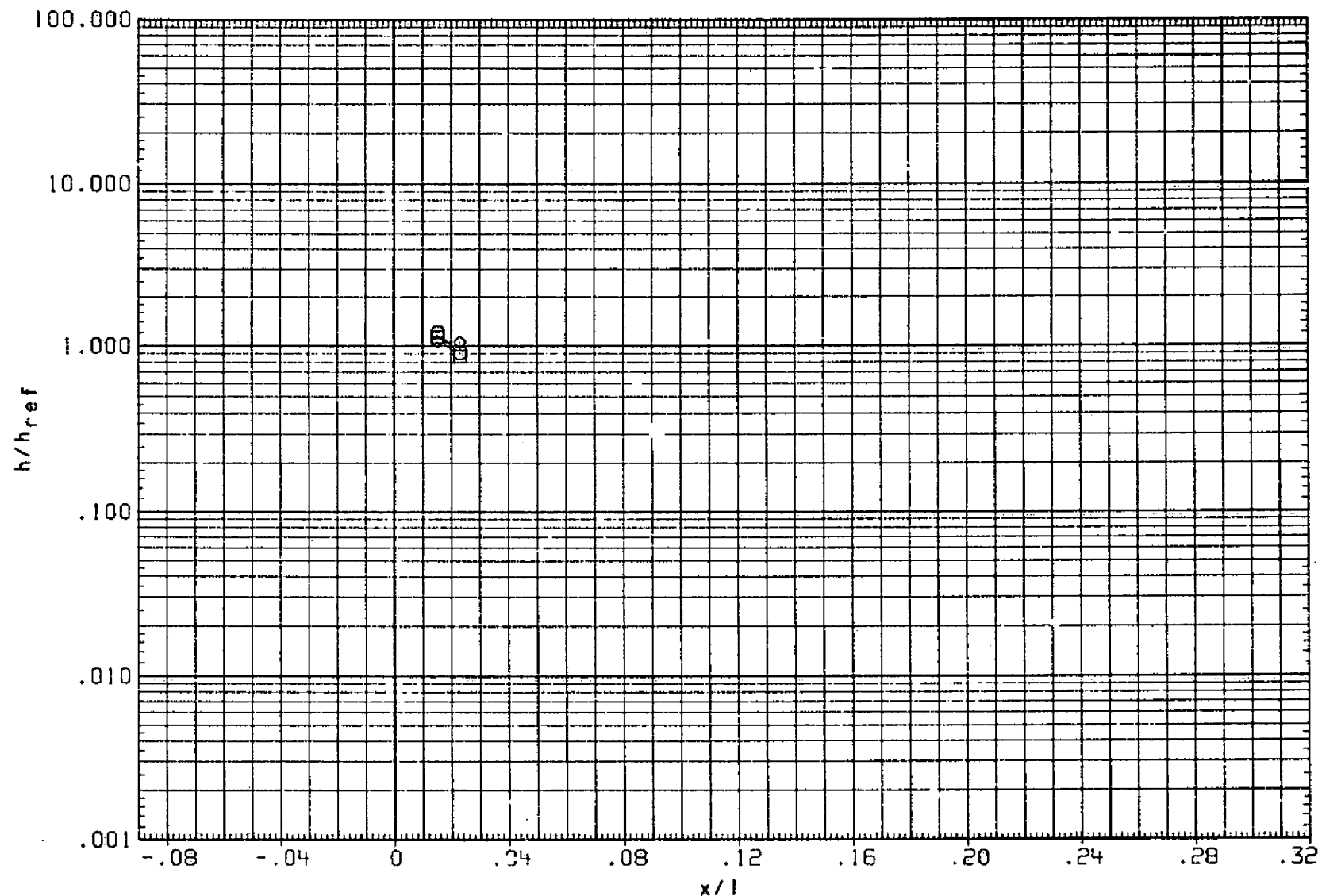


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 962

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

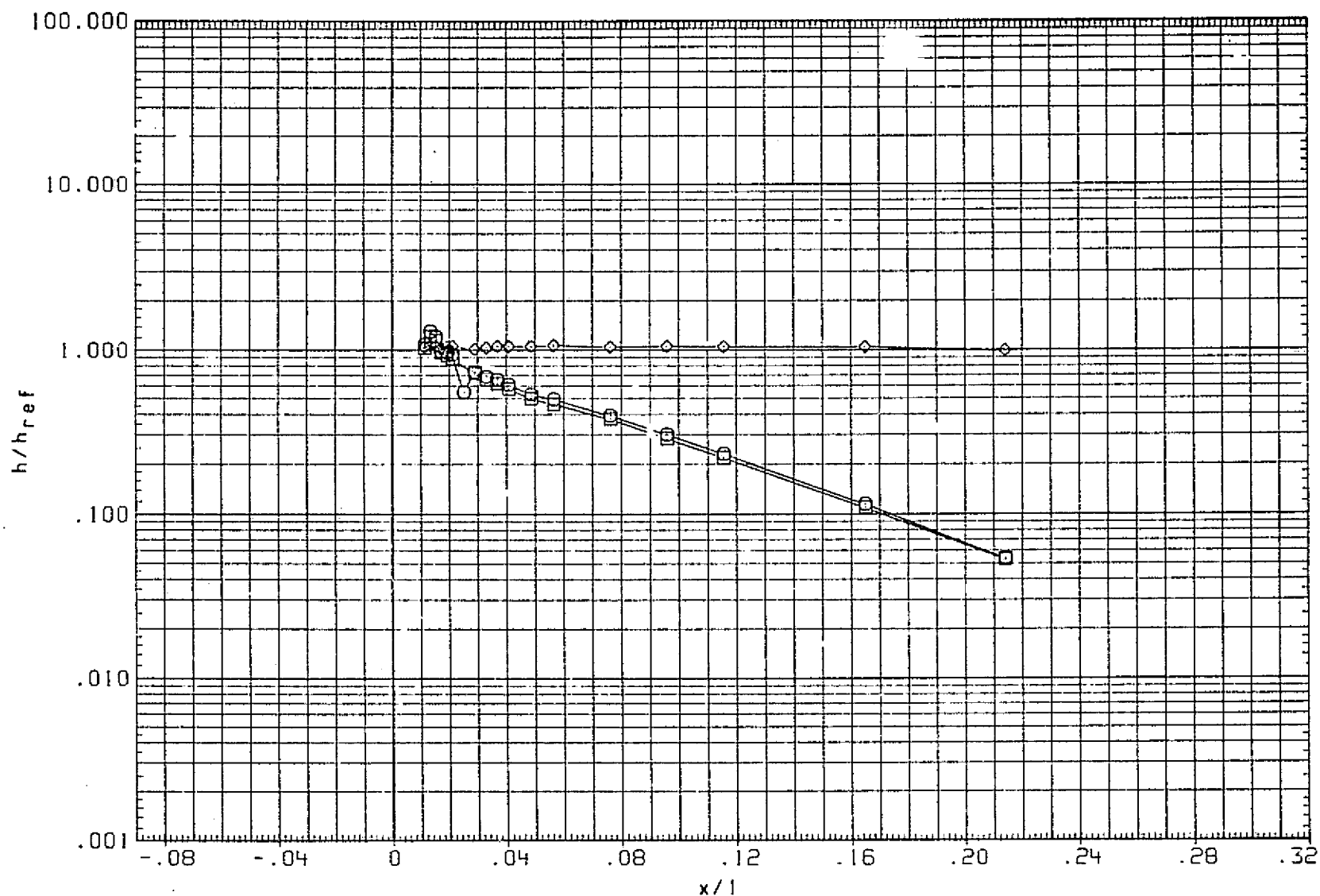


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

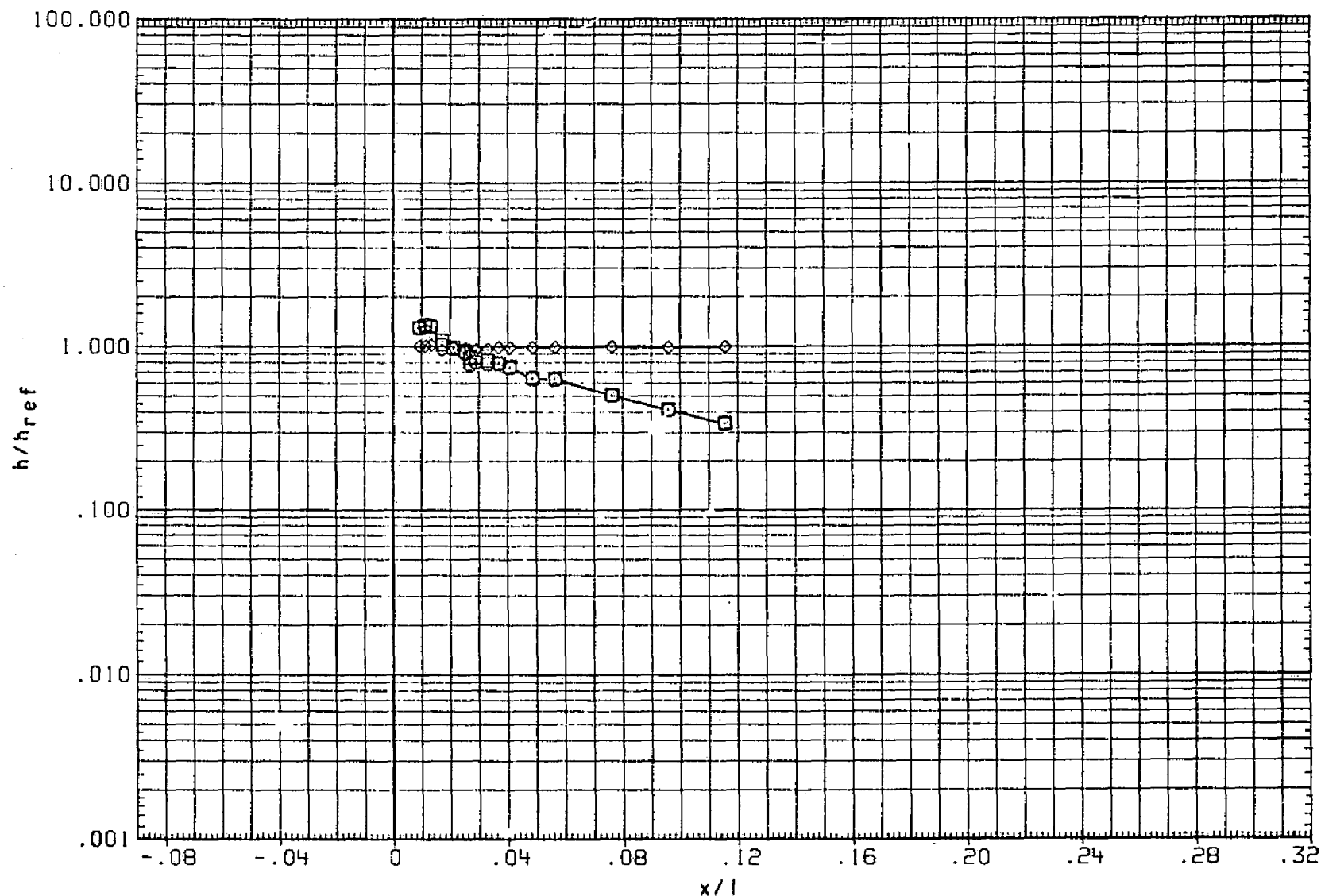


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 964

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

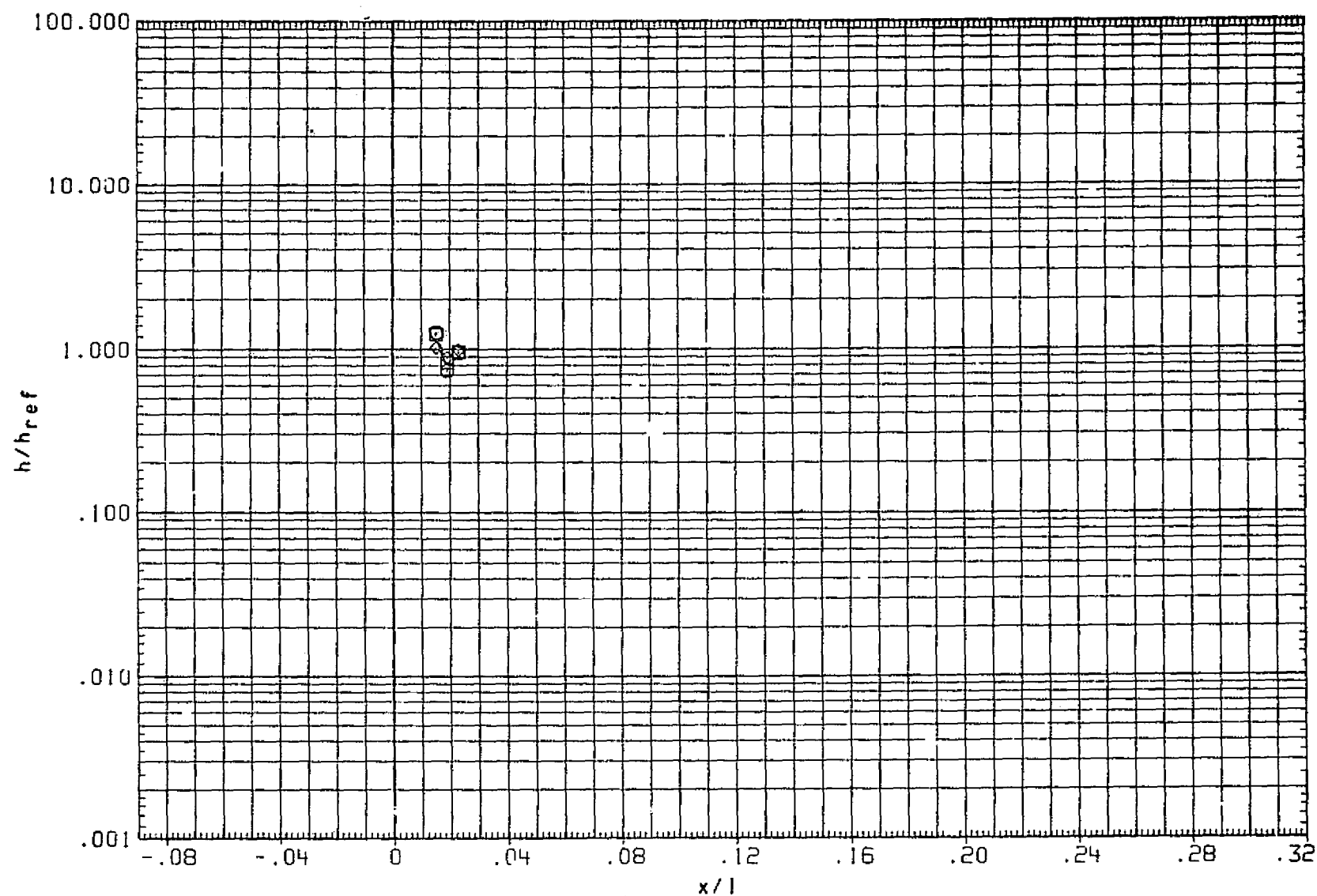


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

PAGE 965



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

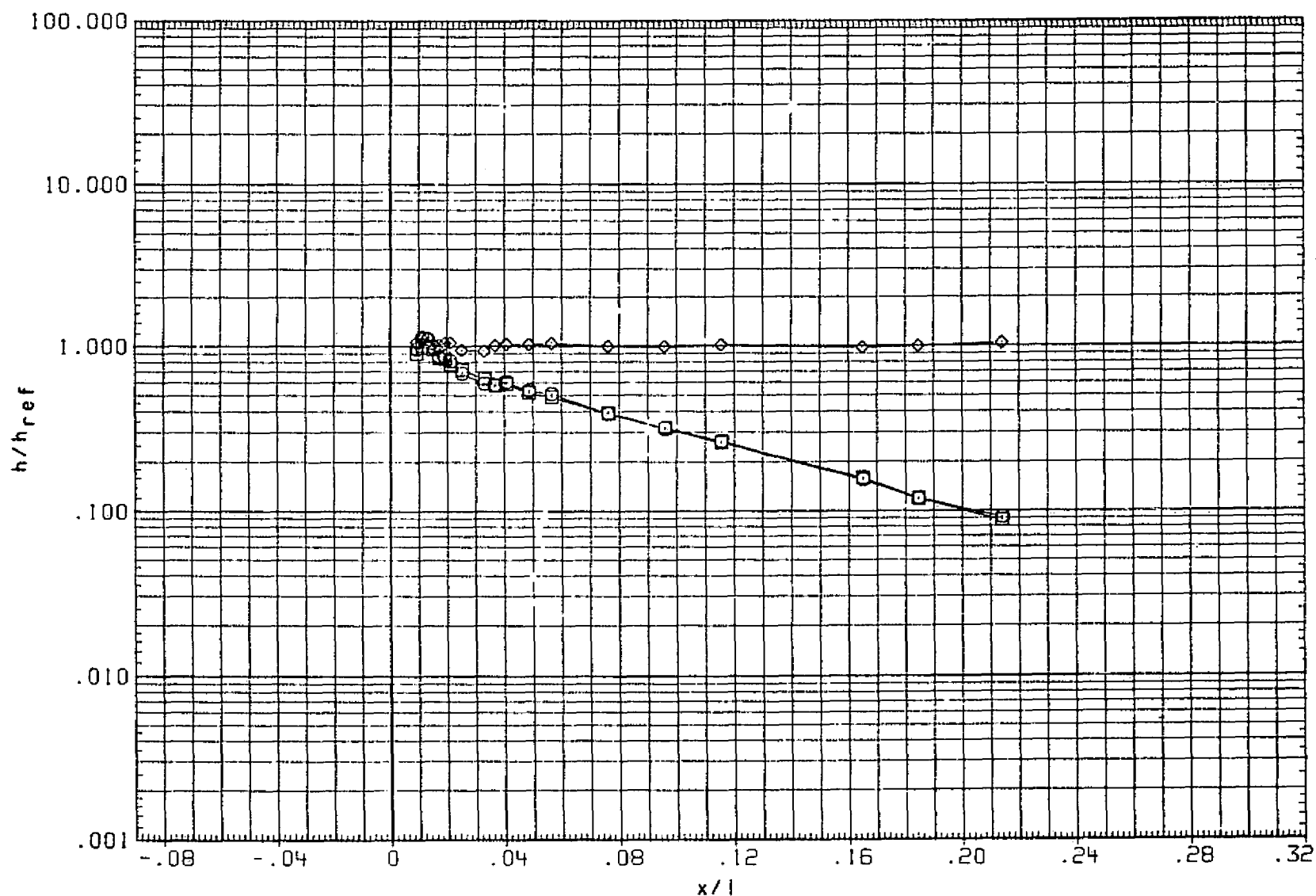


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

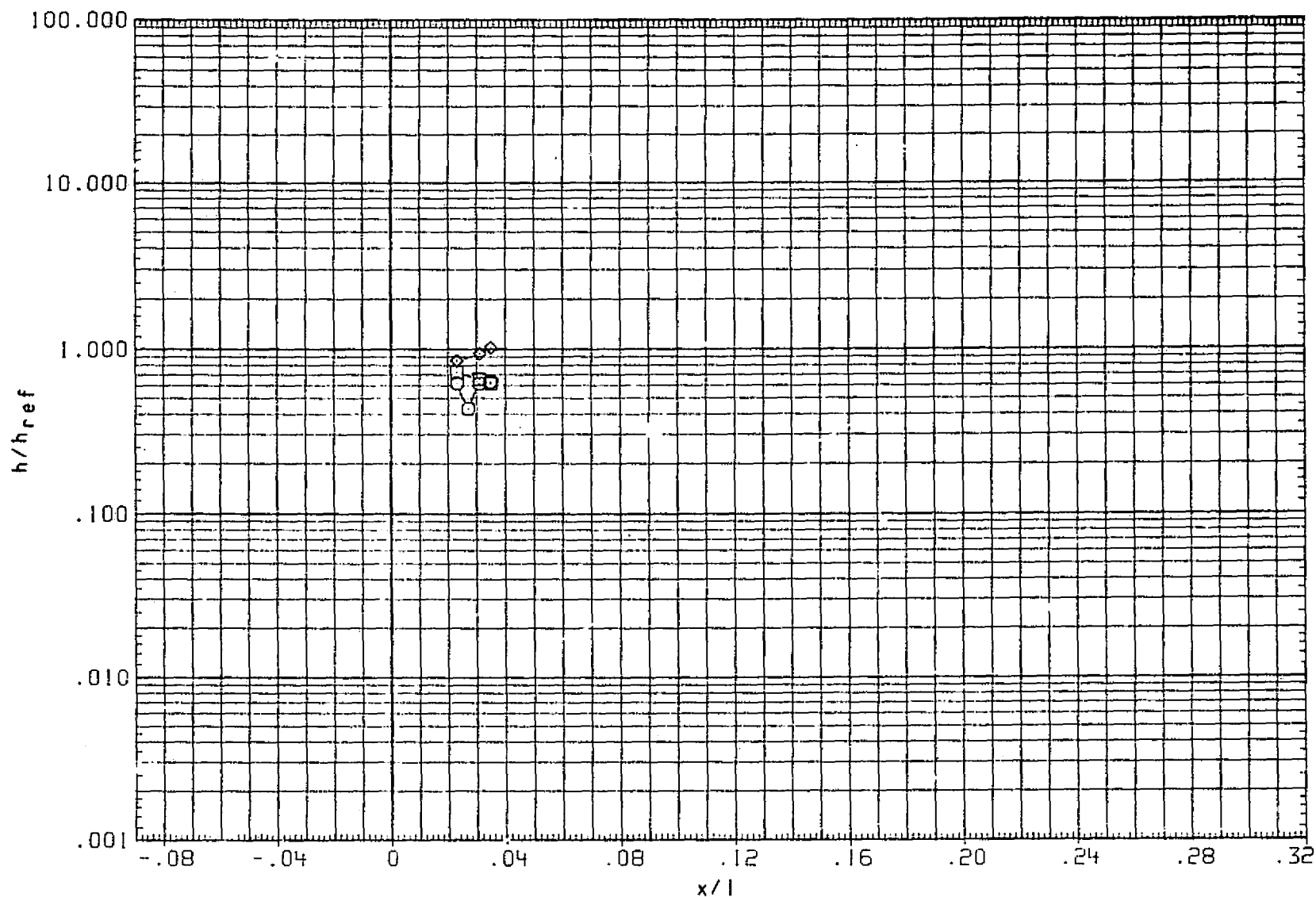


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

PAGE 967

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
IRNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
IRNTT12)	◇	ARC3.5-215(FH14) H1/HU IRNTT12/IRNTT23)	-4.590	-5.510	5.000

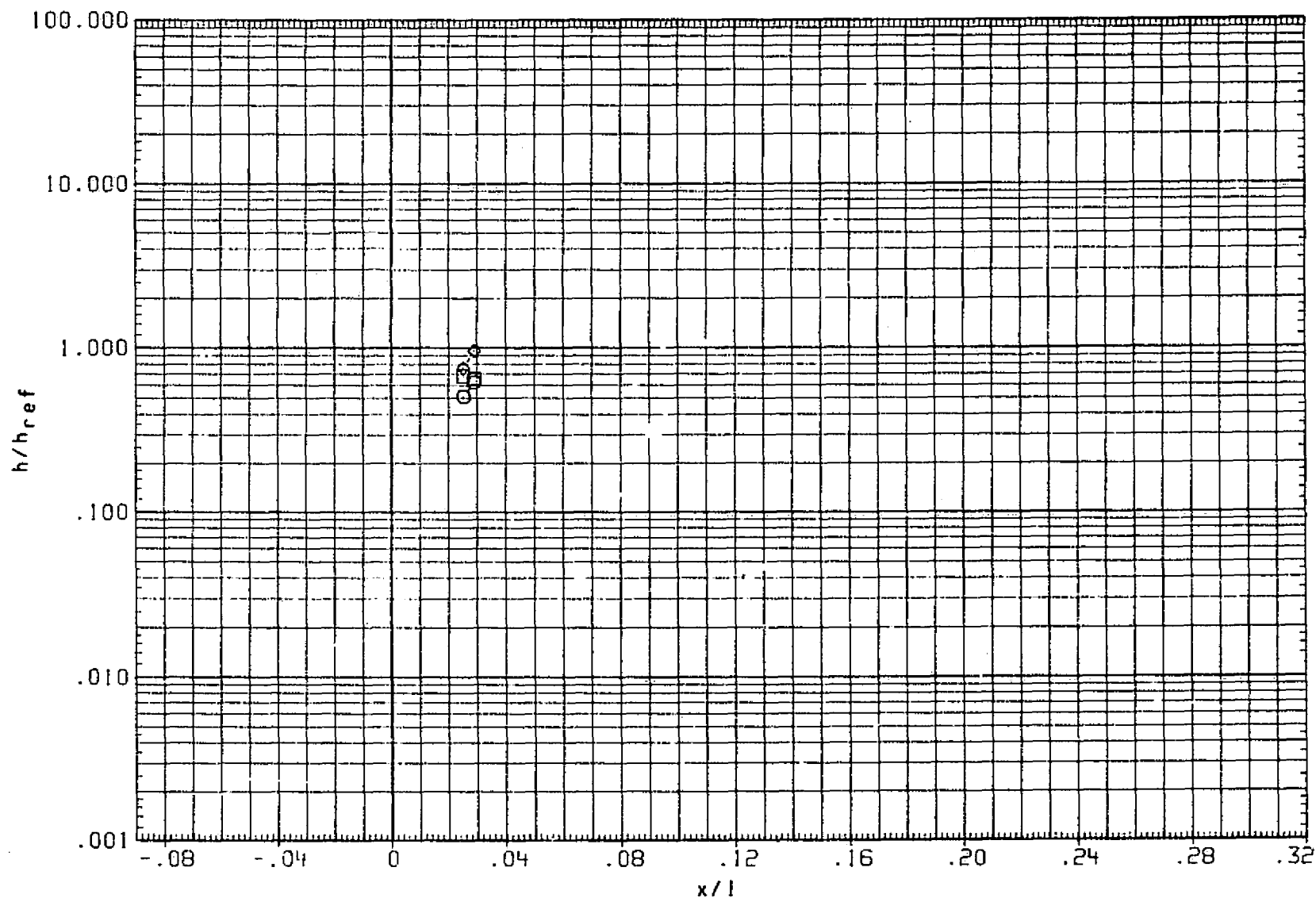


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

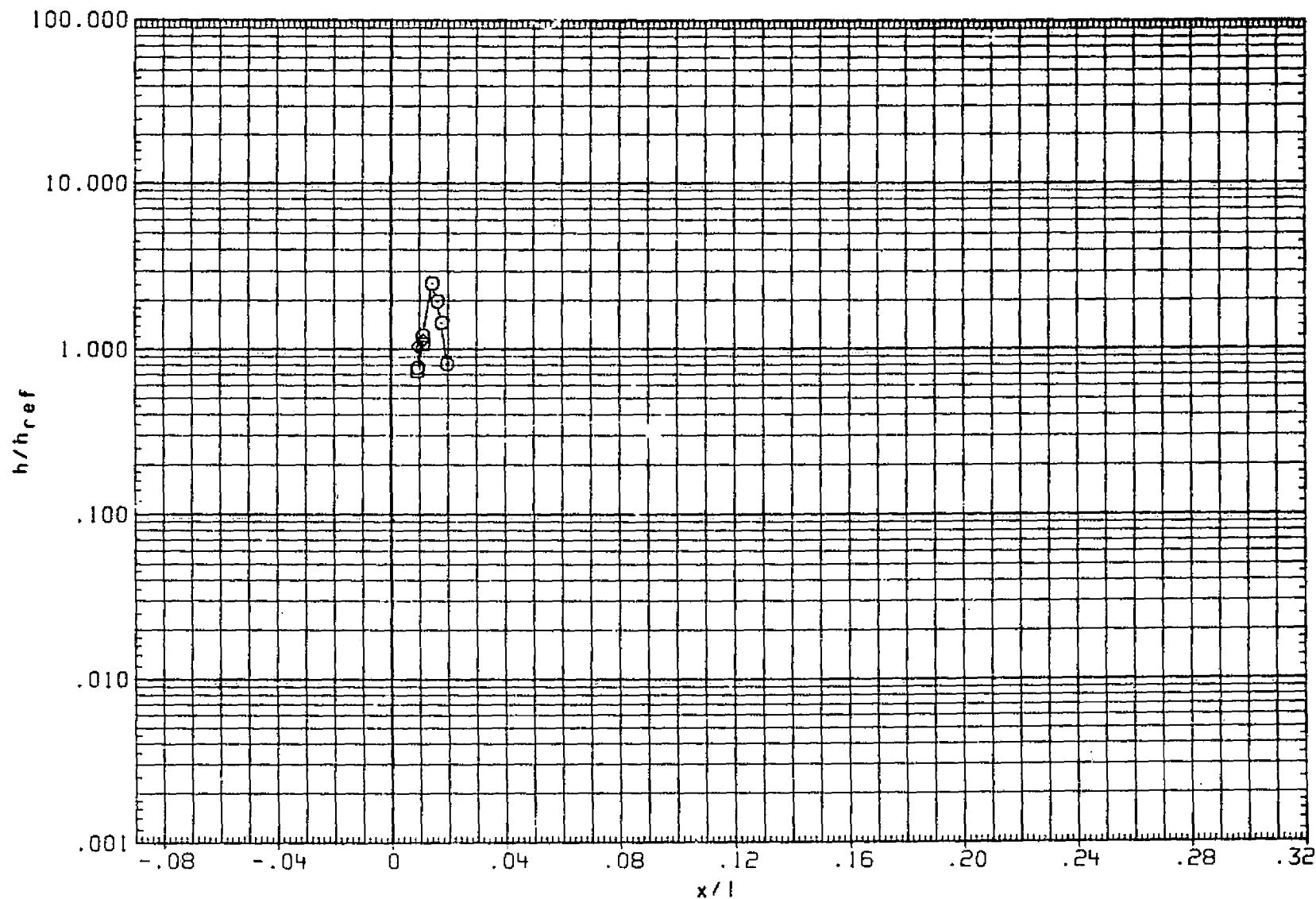


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 969

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

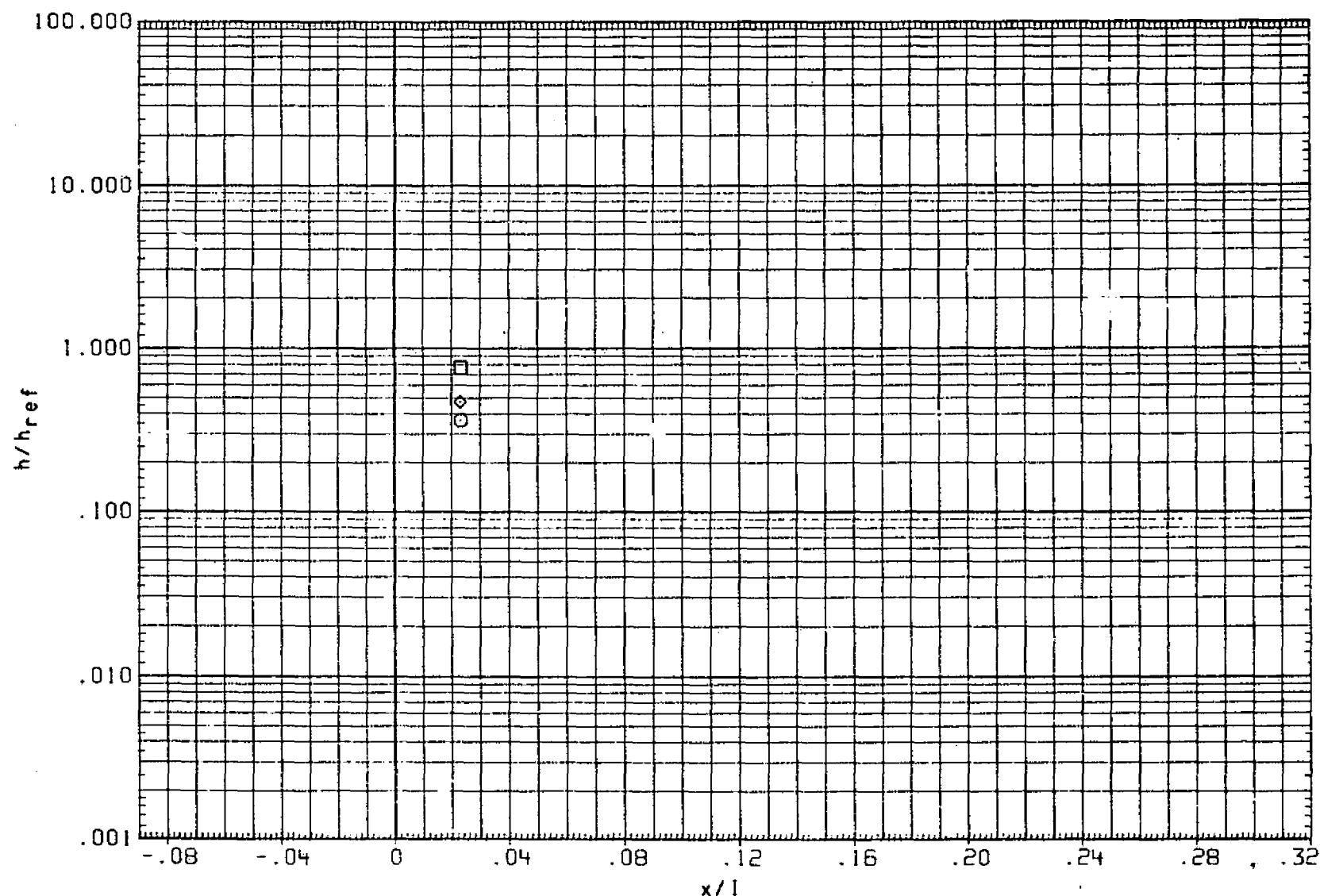


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 970

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.010
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

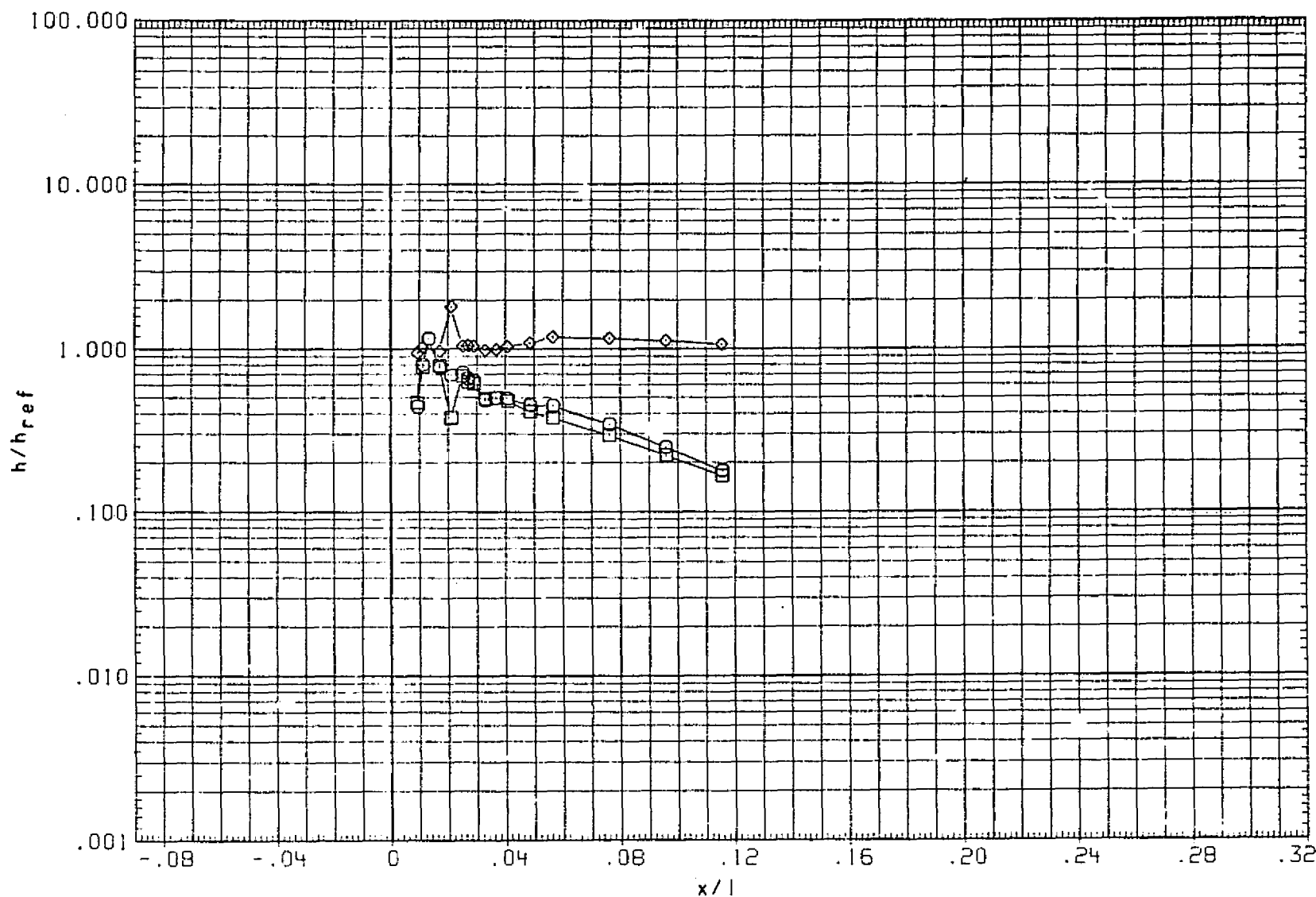


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

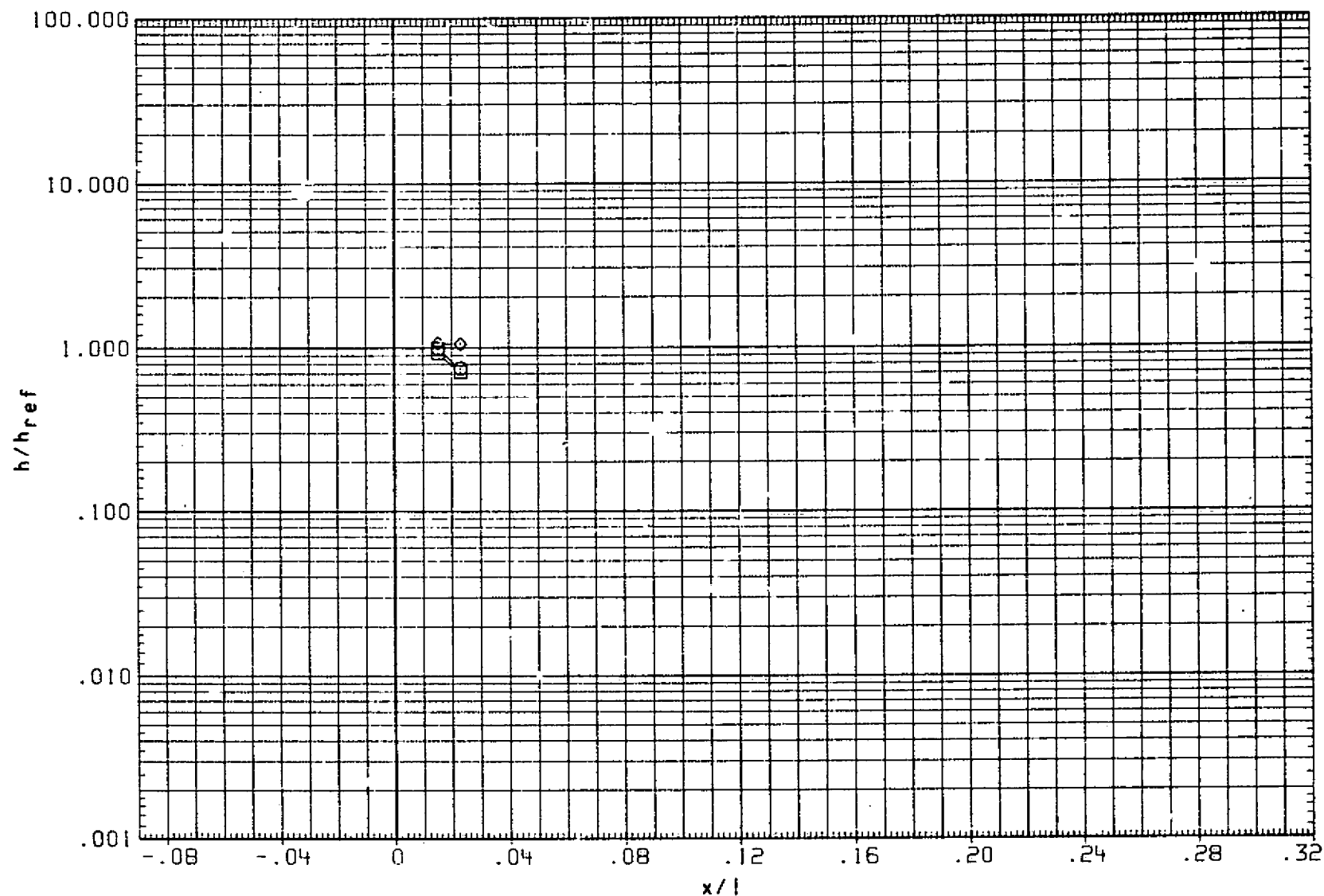


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

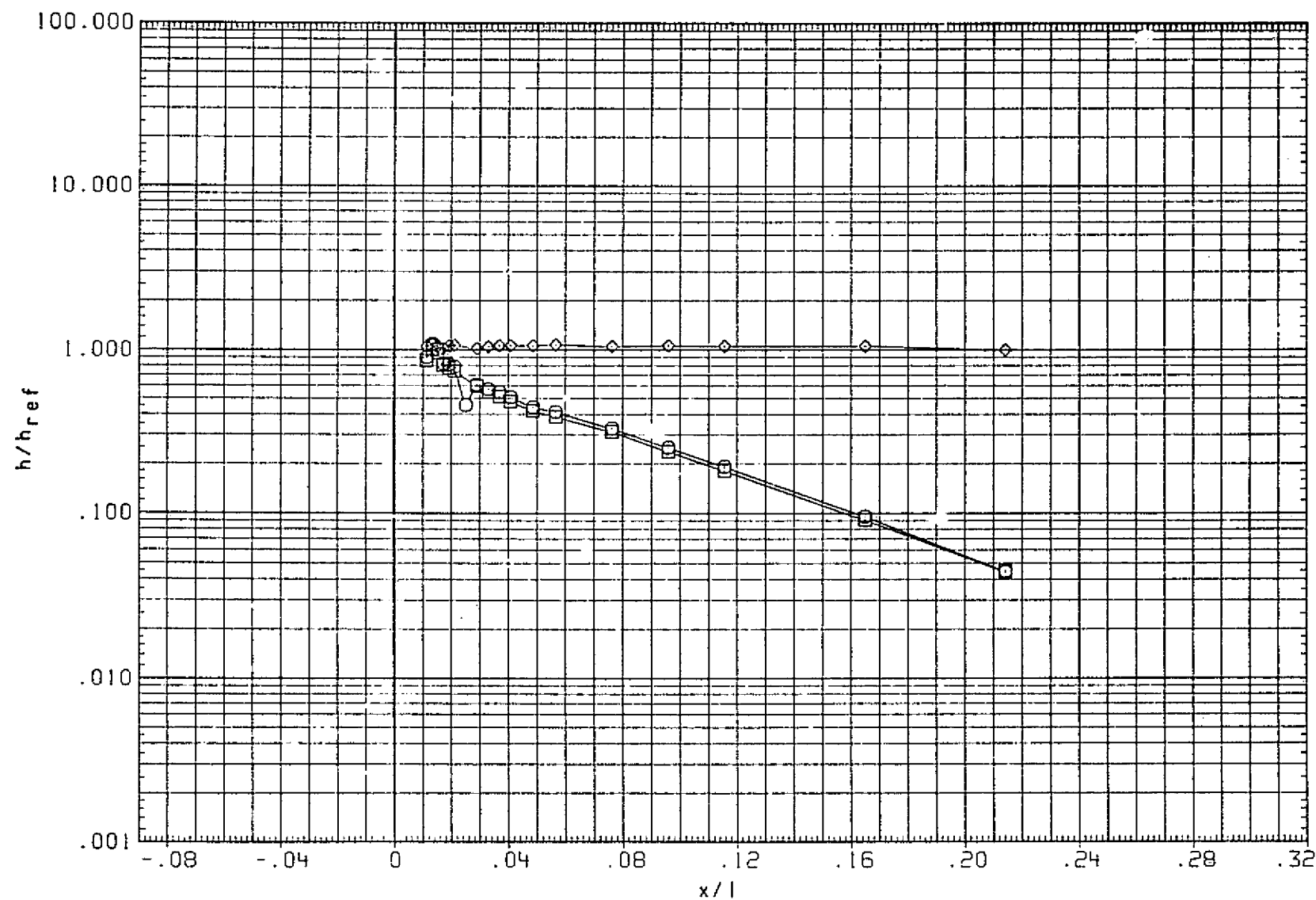


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(RNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

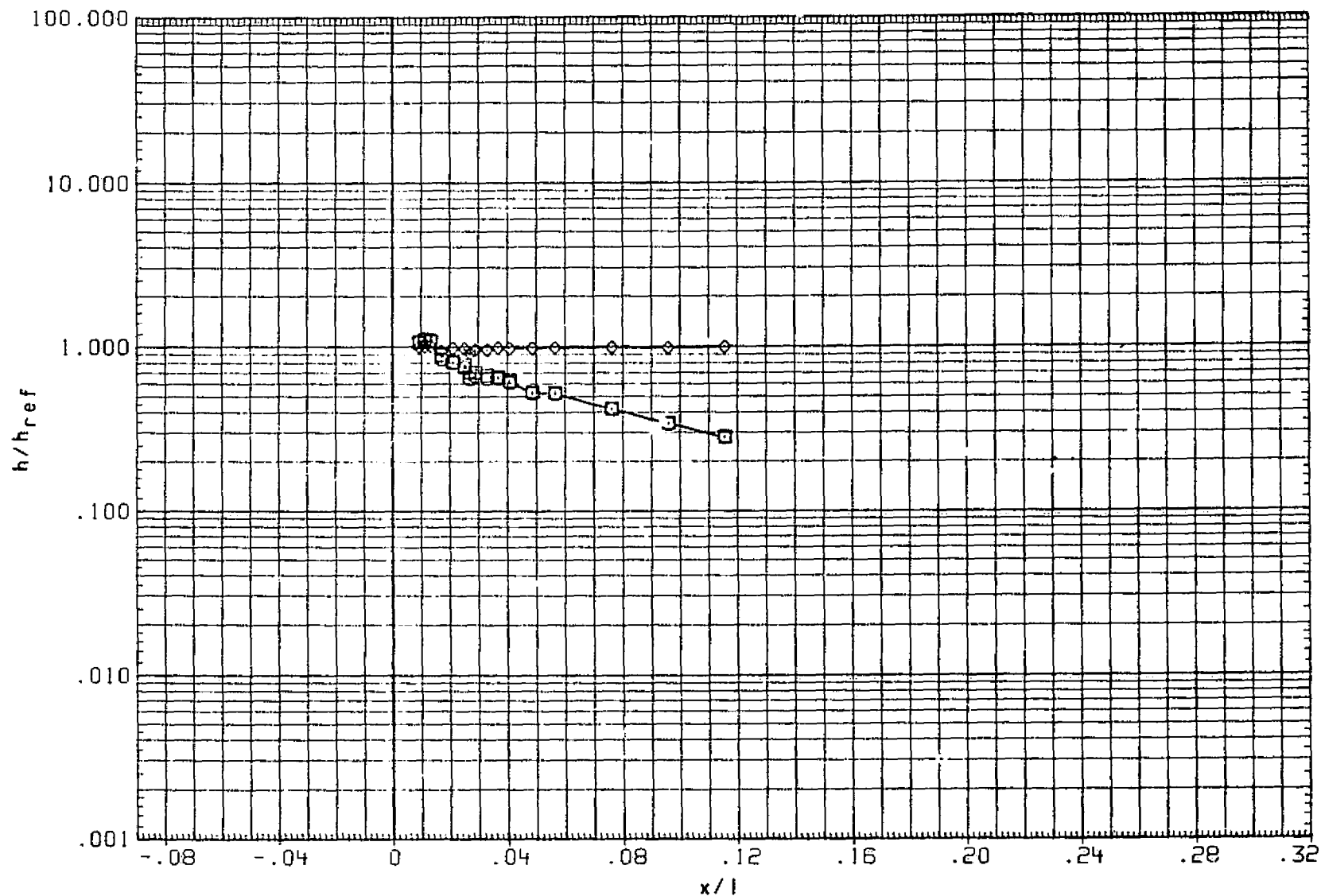


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 974

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT23)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-4.590	-5.510	5.000
(BNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT23)	-4.590	-5.510	5.000

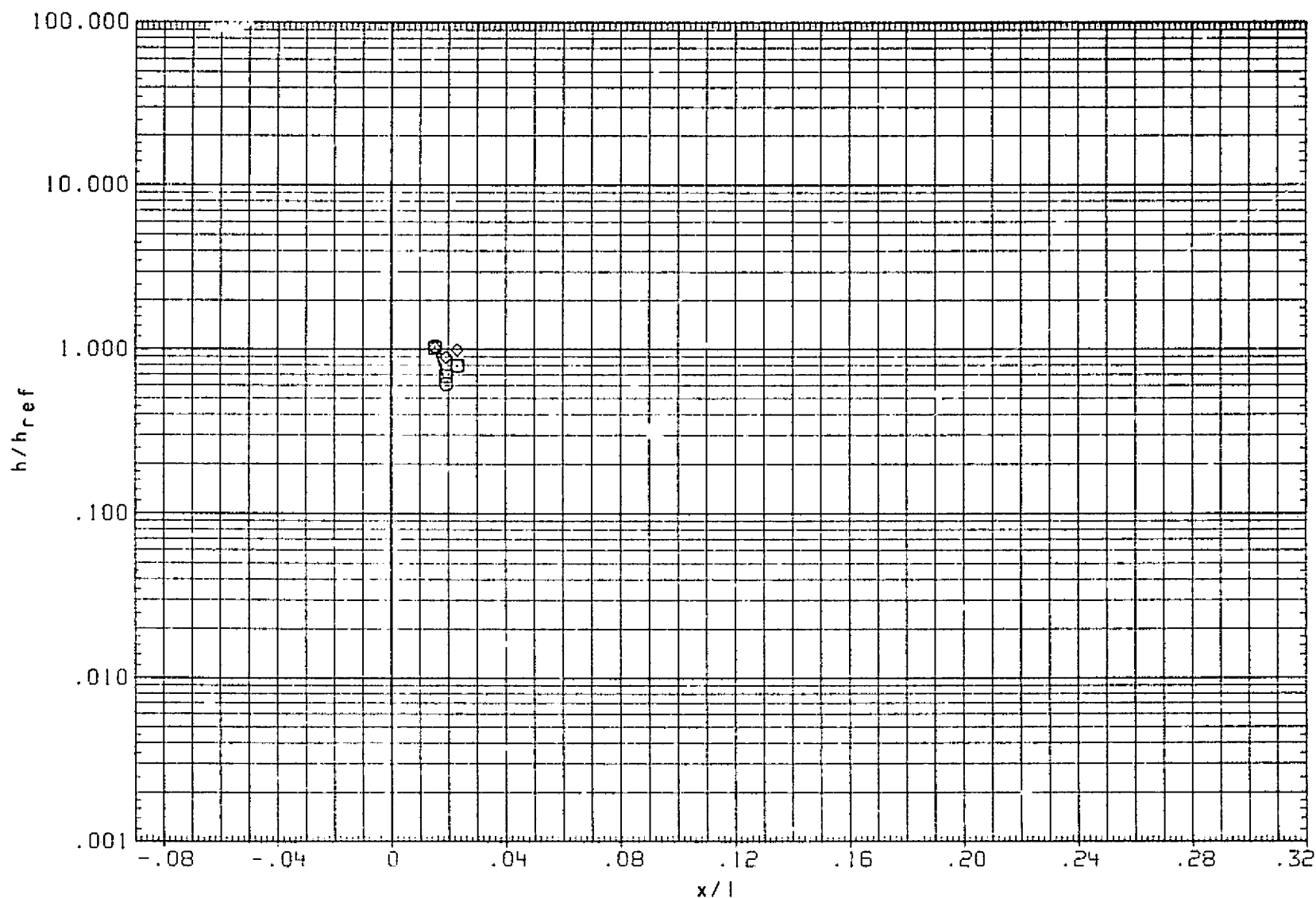


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

PAGE 975

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

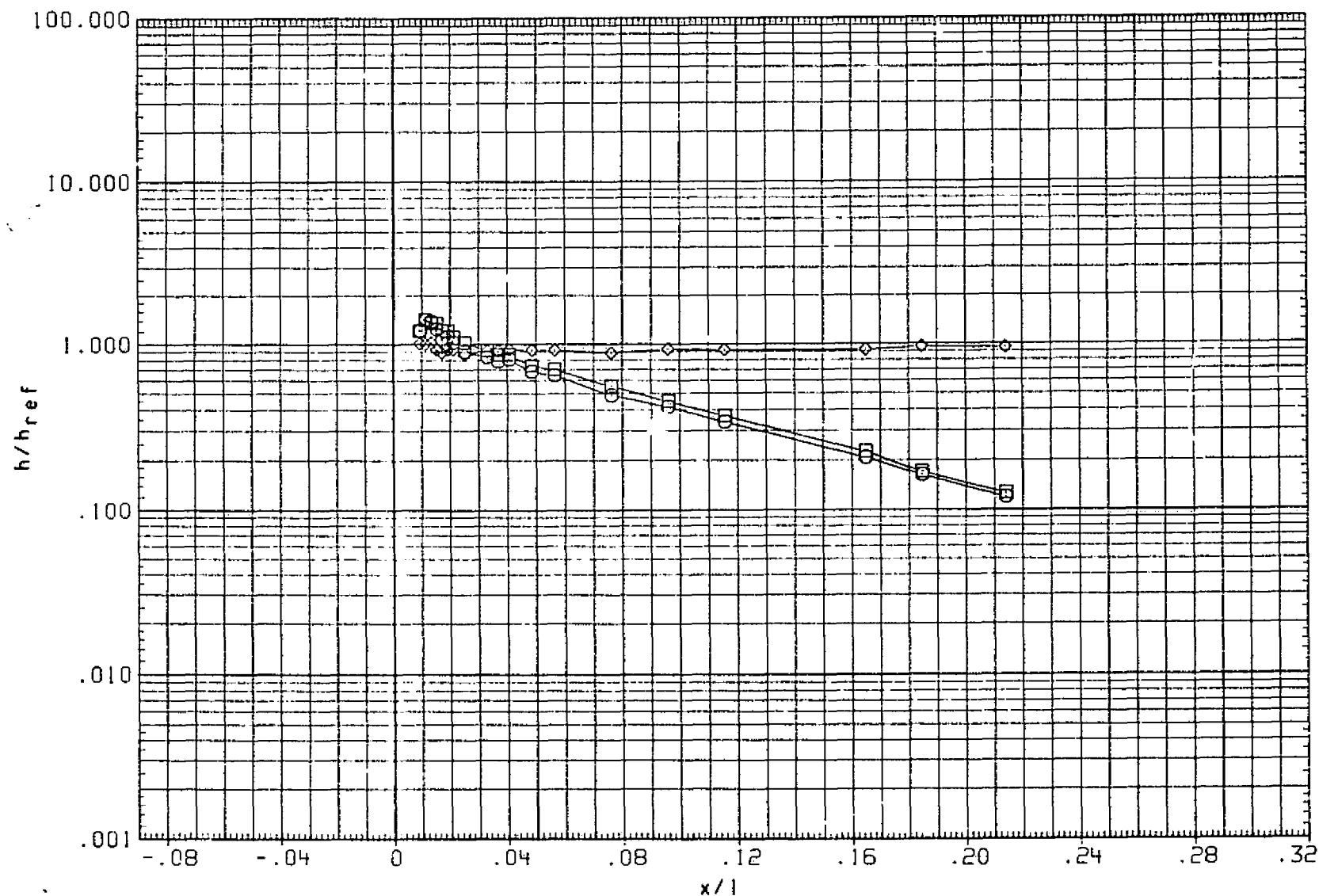


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT13	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
IRNTT24	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
IRNTT13	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

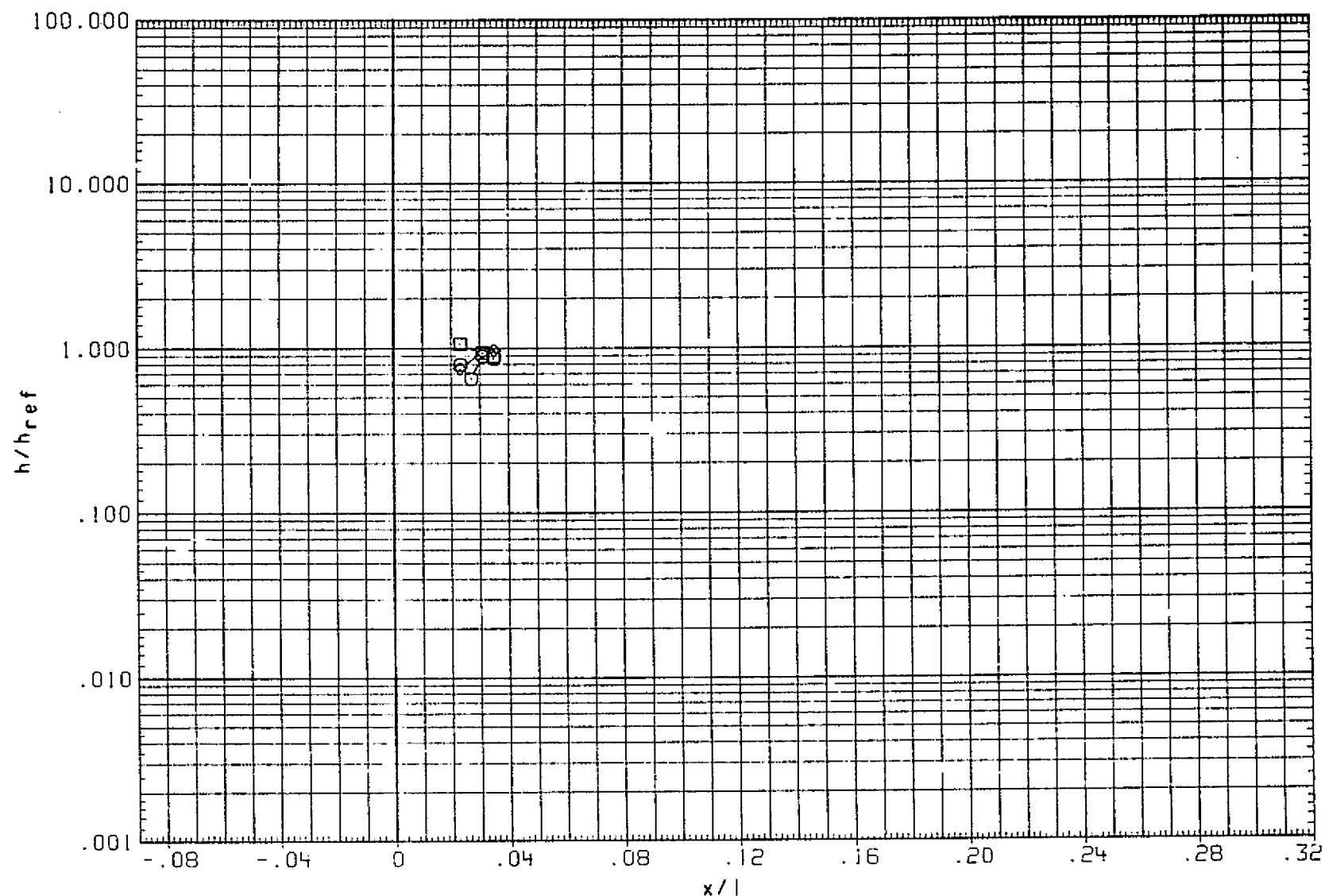


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUS	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

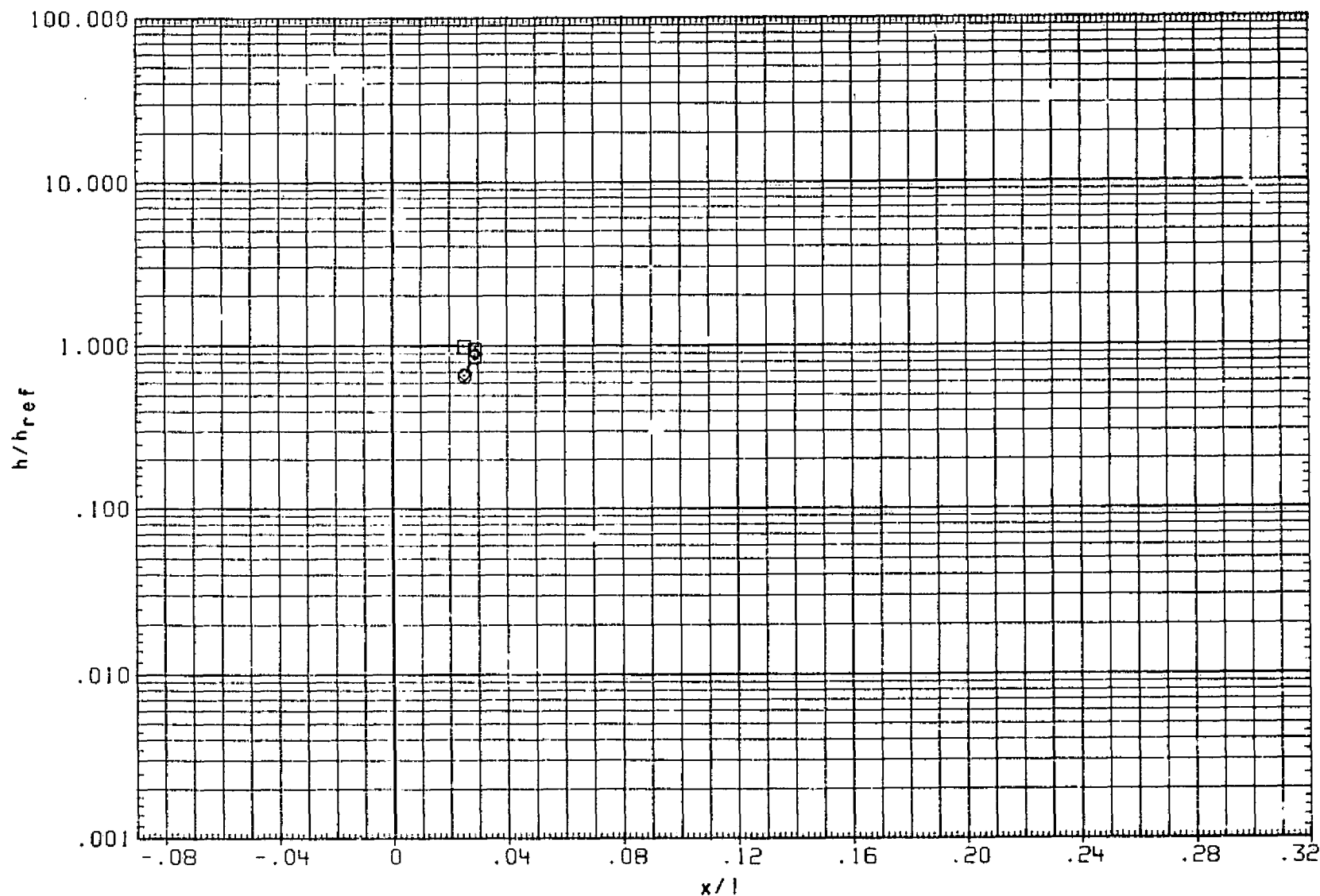


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 978

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

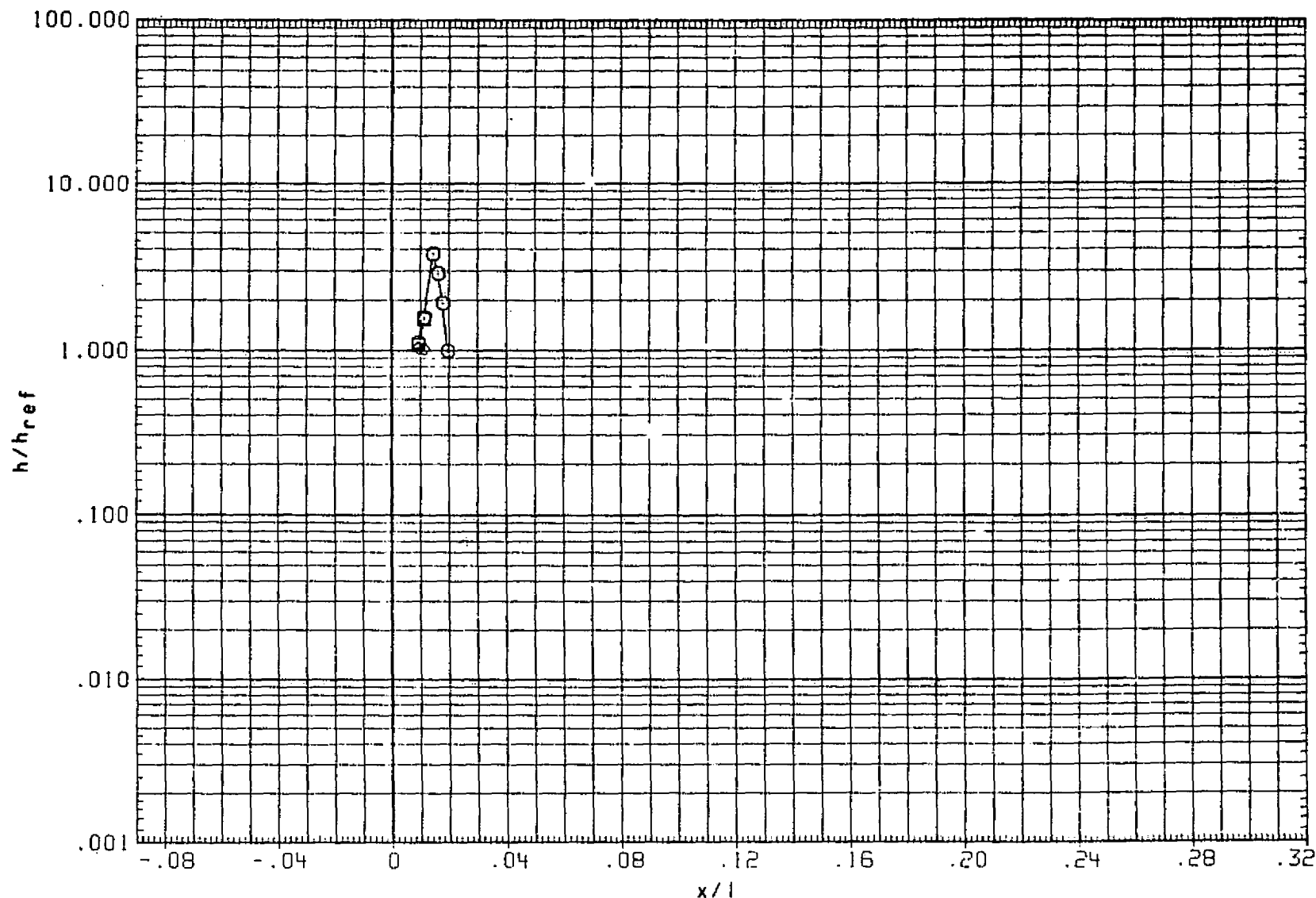


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

PAGE 979

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

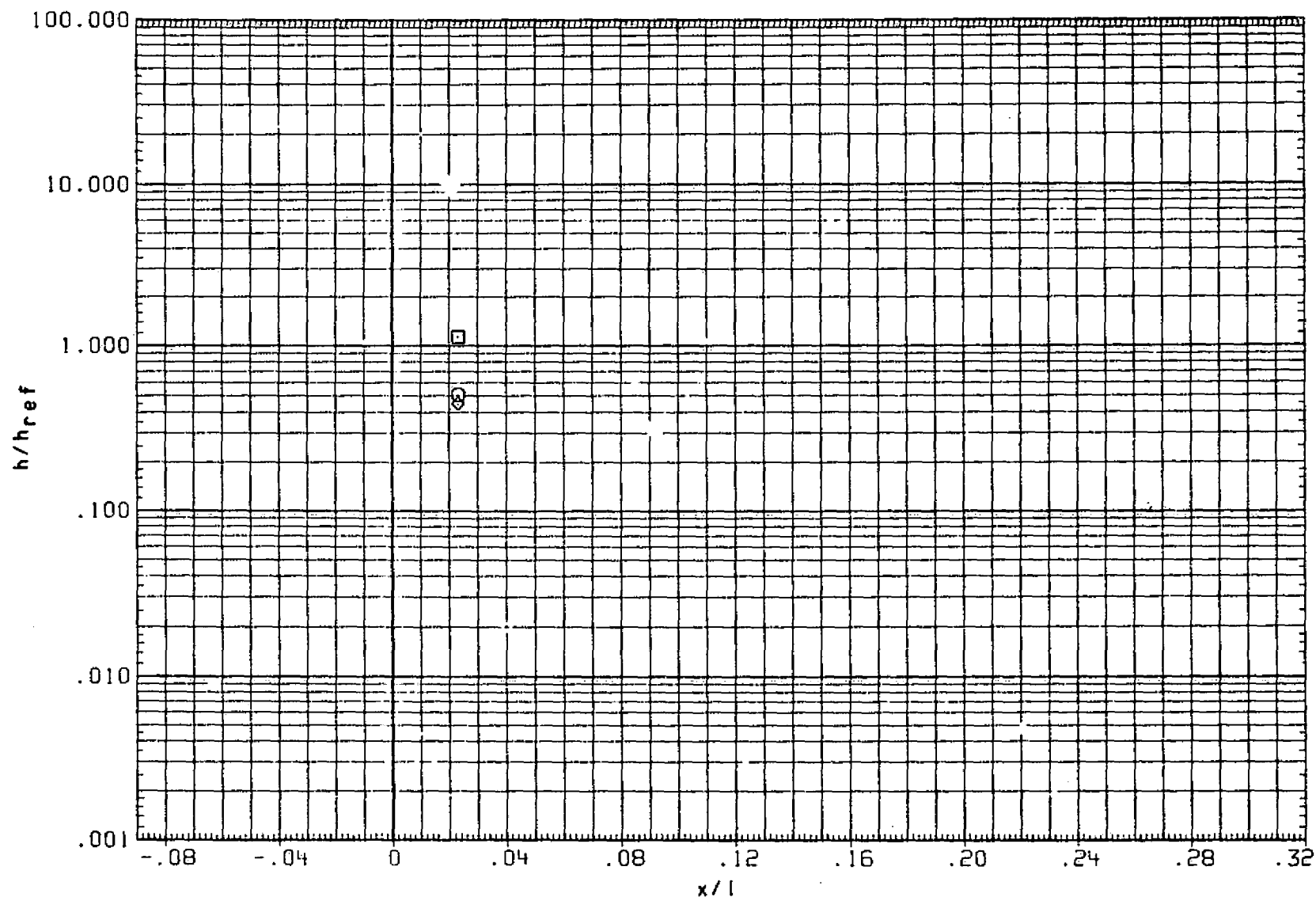


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 980

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
IRNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
IRNTT13)	◇	ARC3.5-215(FH14) HI/HU (IRNTT13/IRNTT24)	-5.000	-3.000	5.000

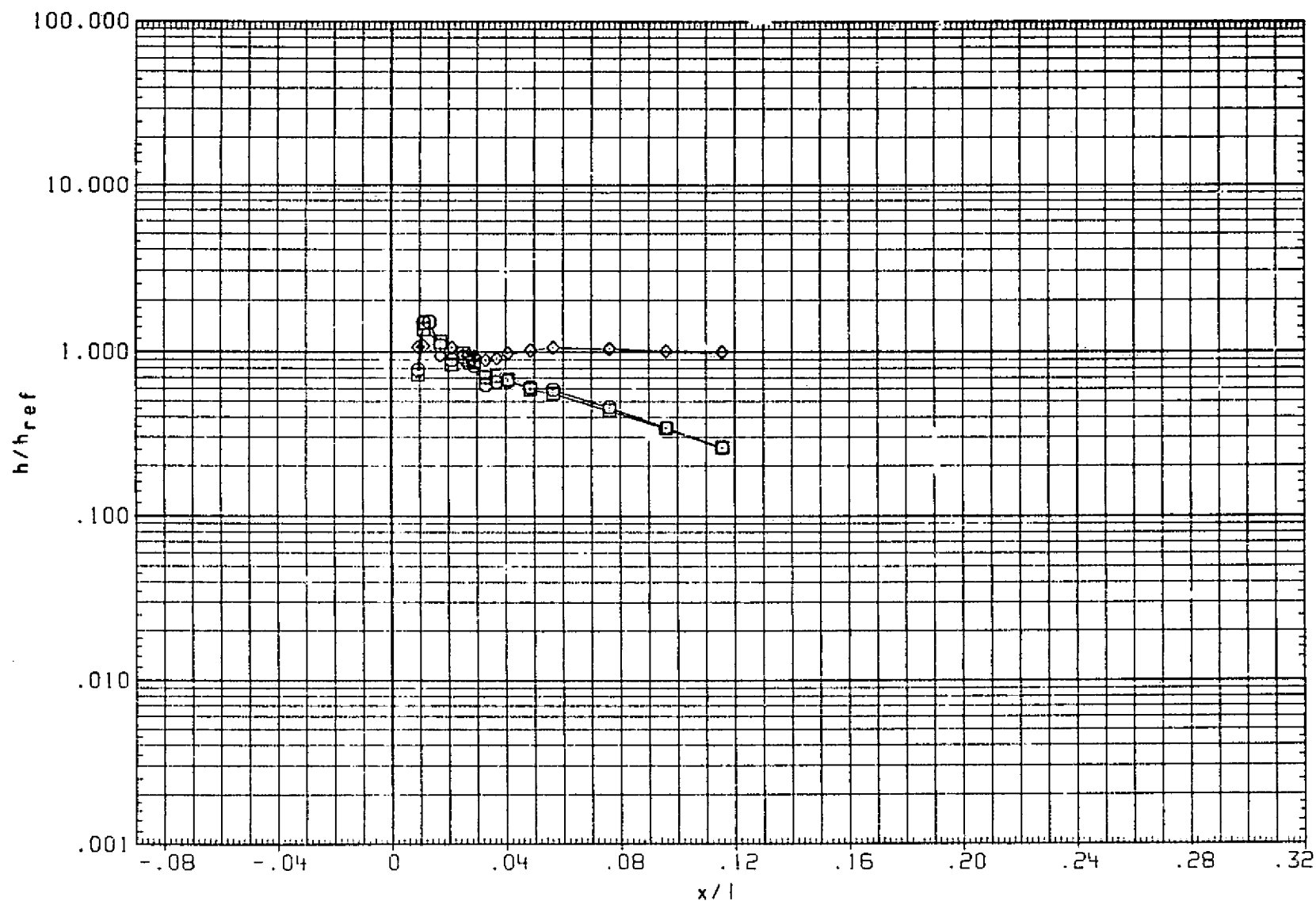


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 981



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

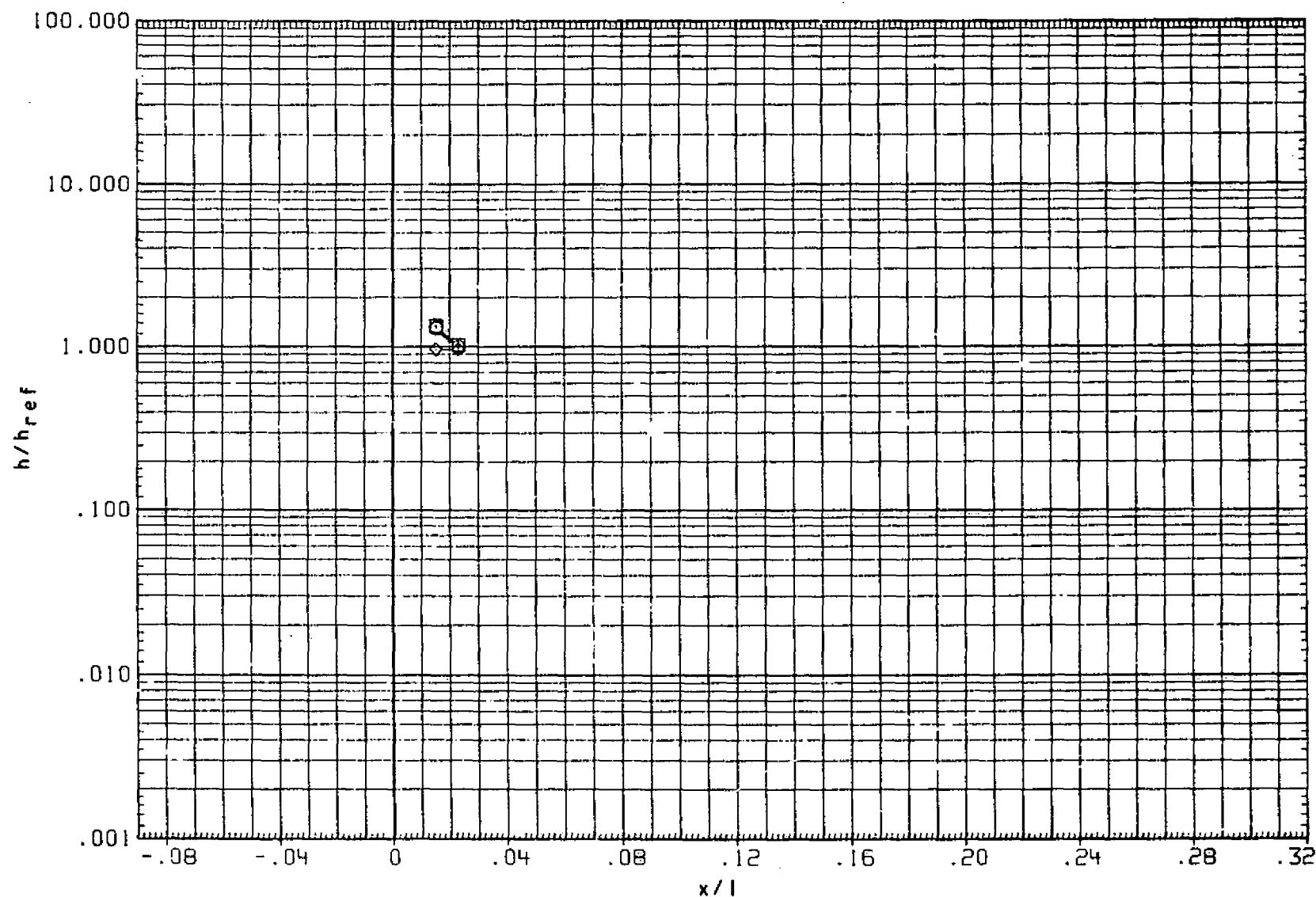


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 982

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

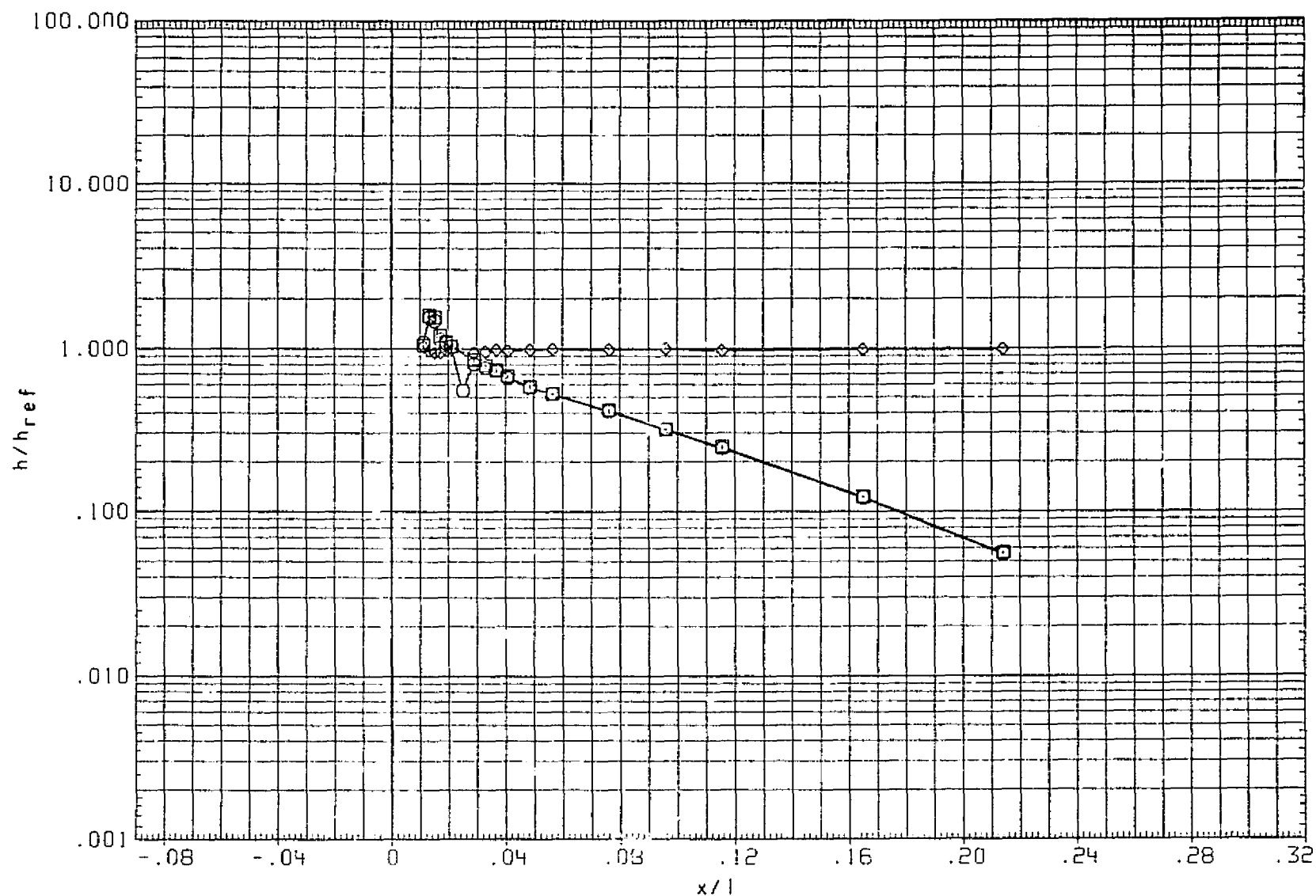


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

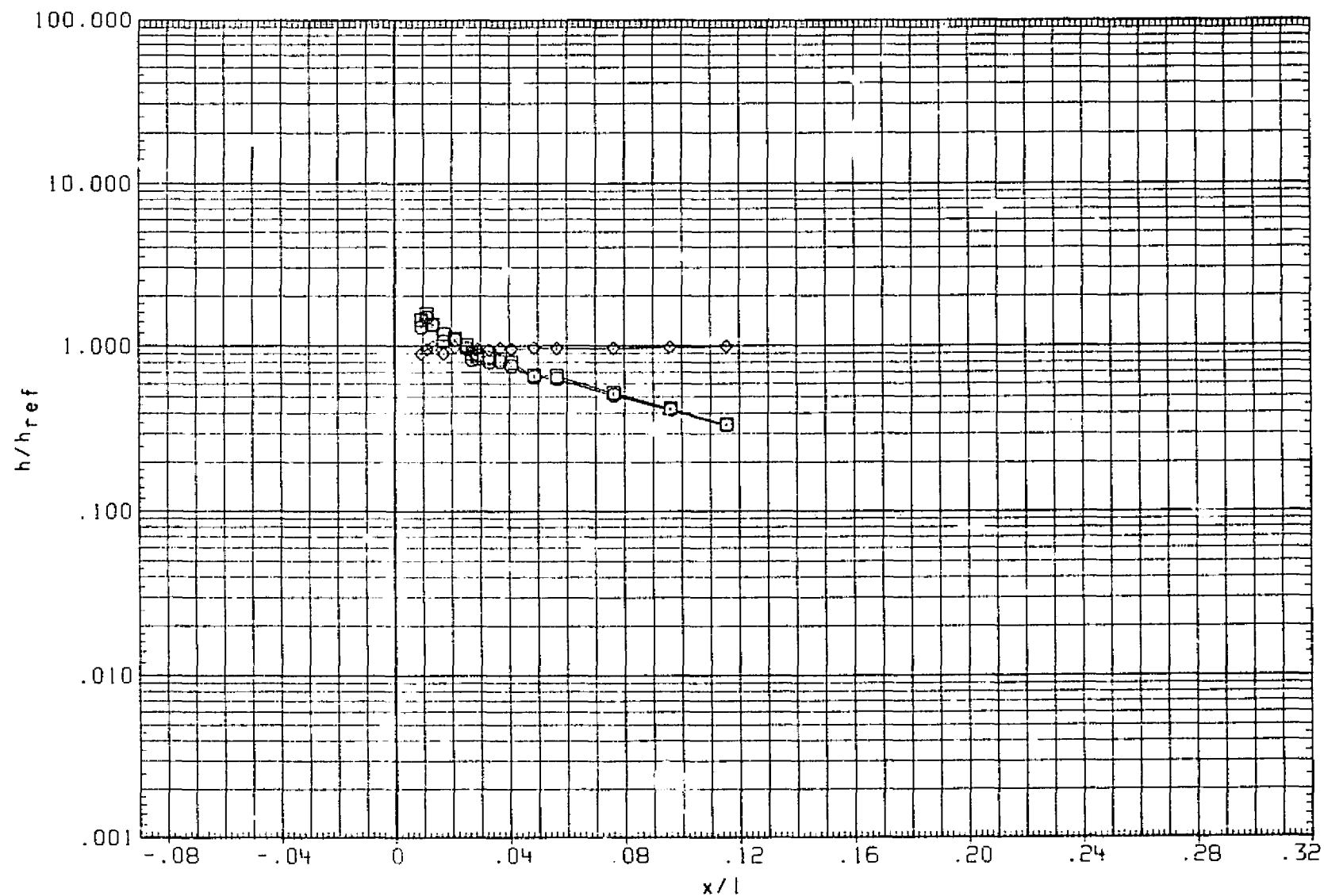


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

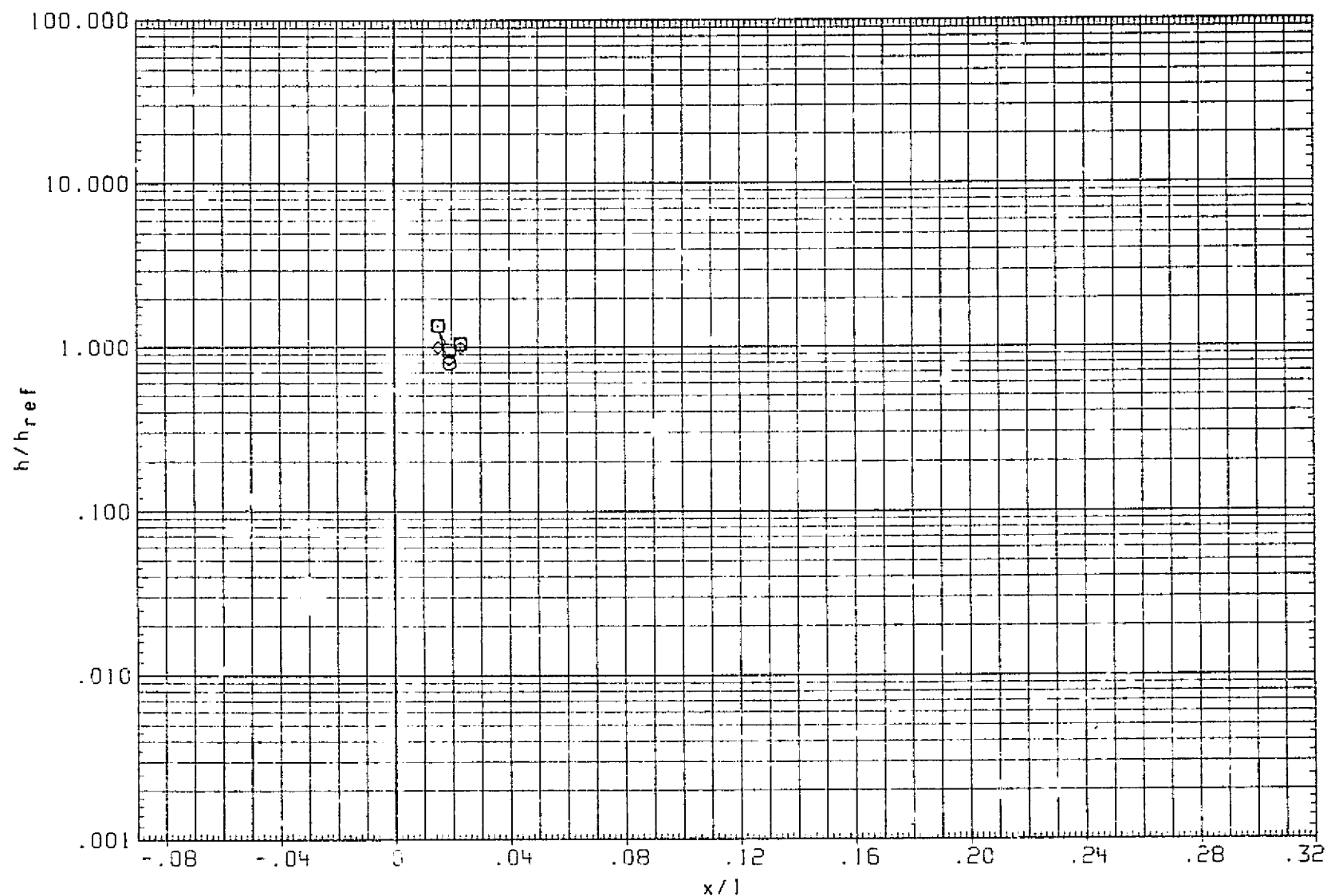


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

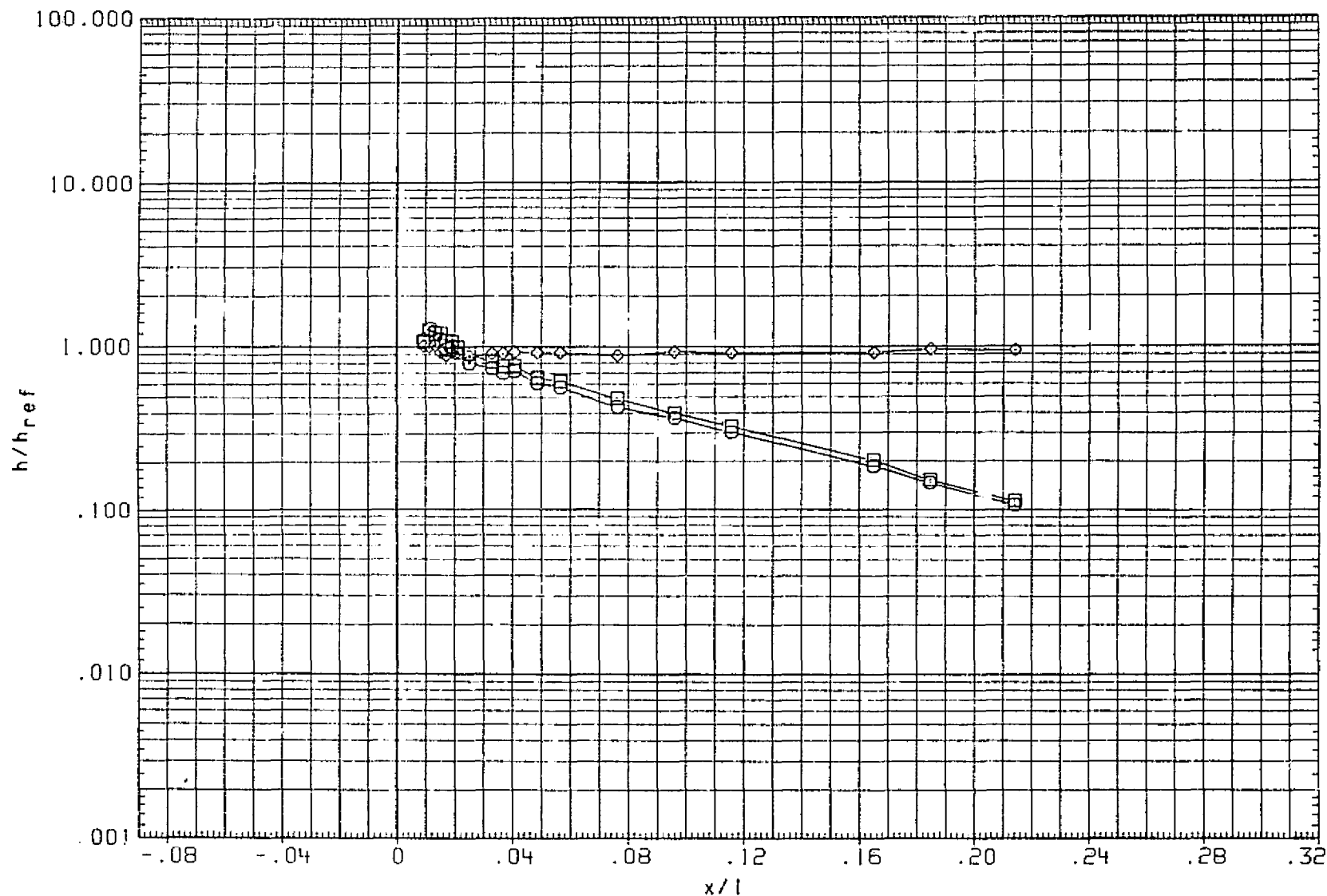


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

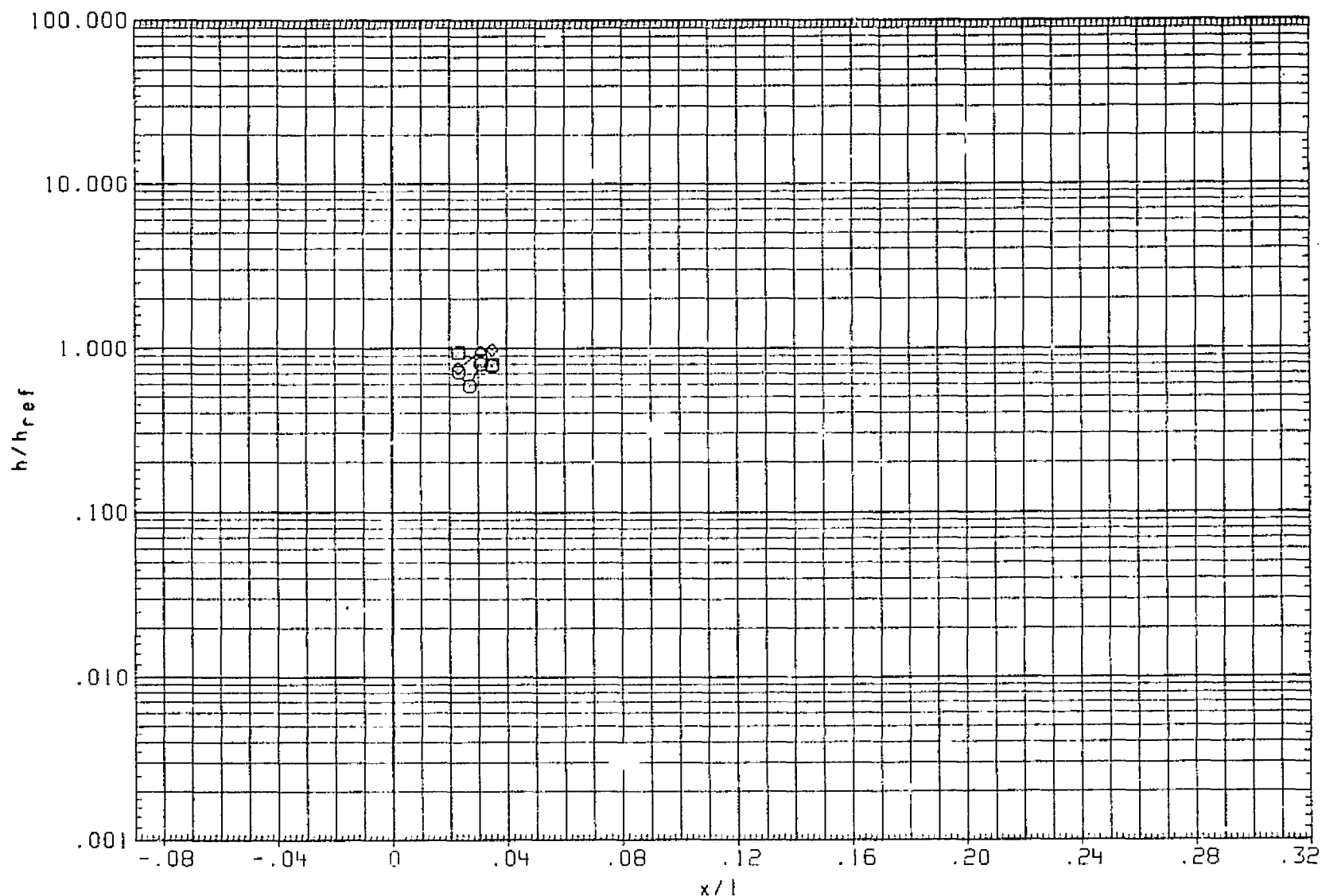


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

PAGE 987

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT131	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
RNTT241	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
RNTT131	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

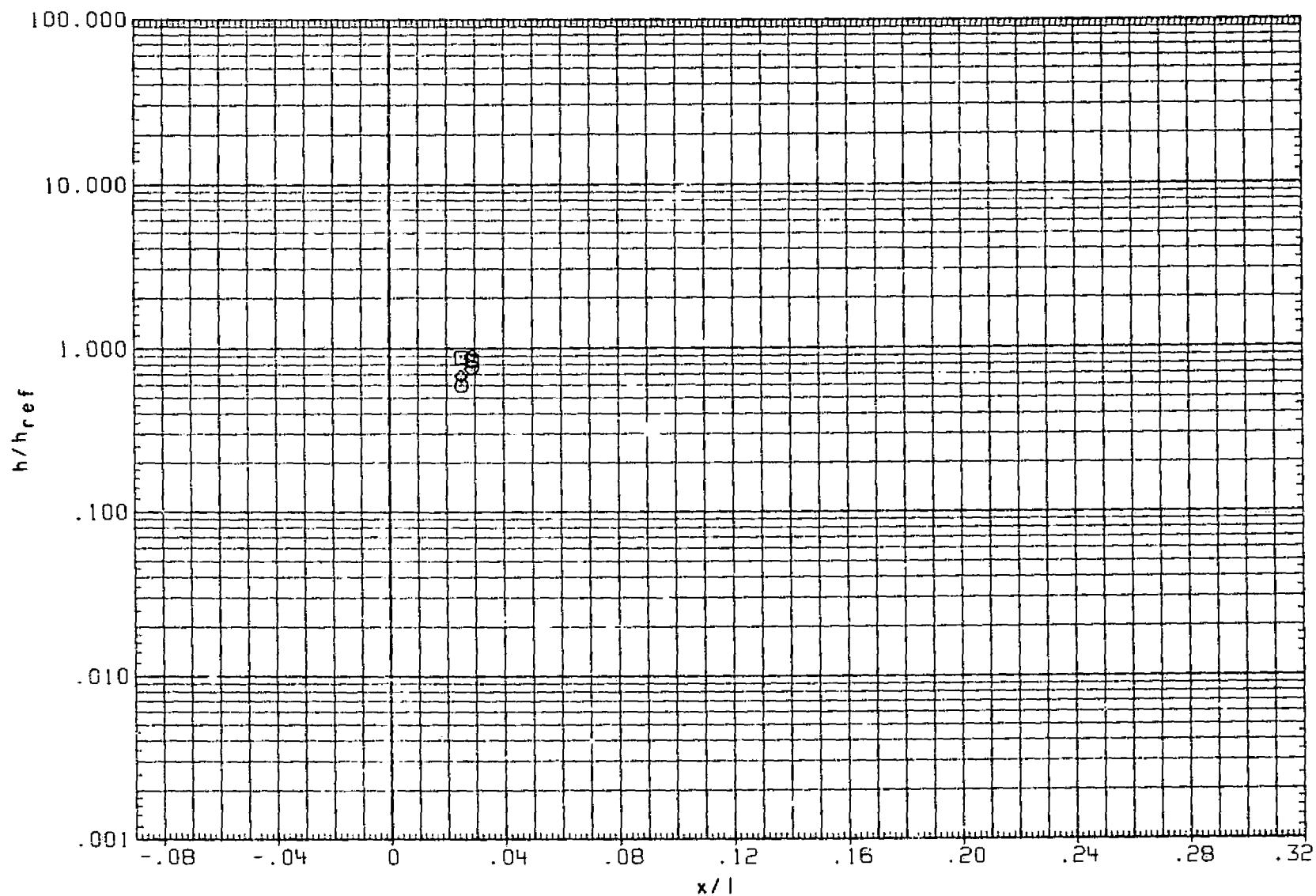


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

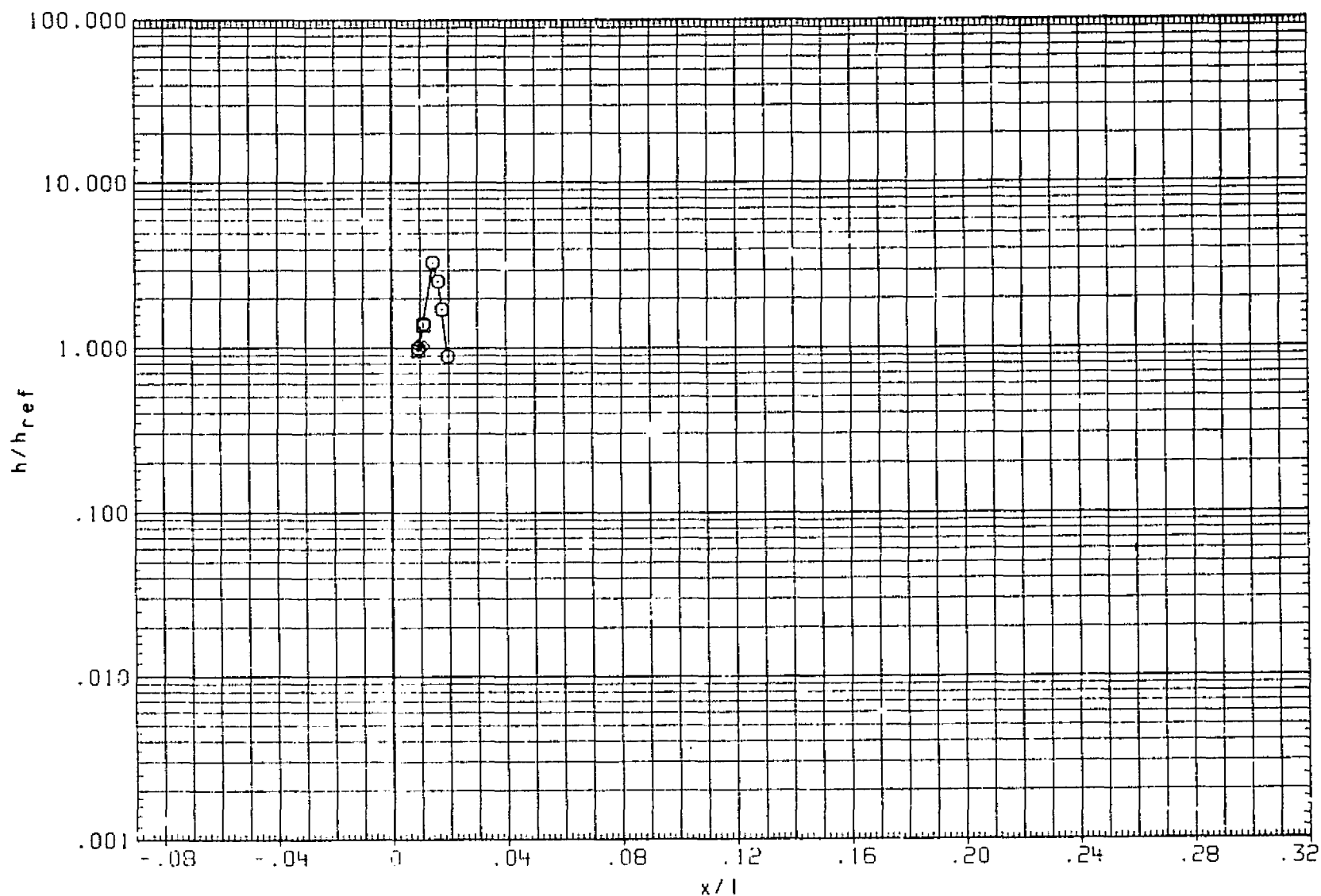


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

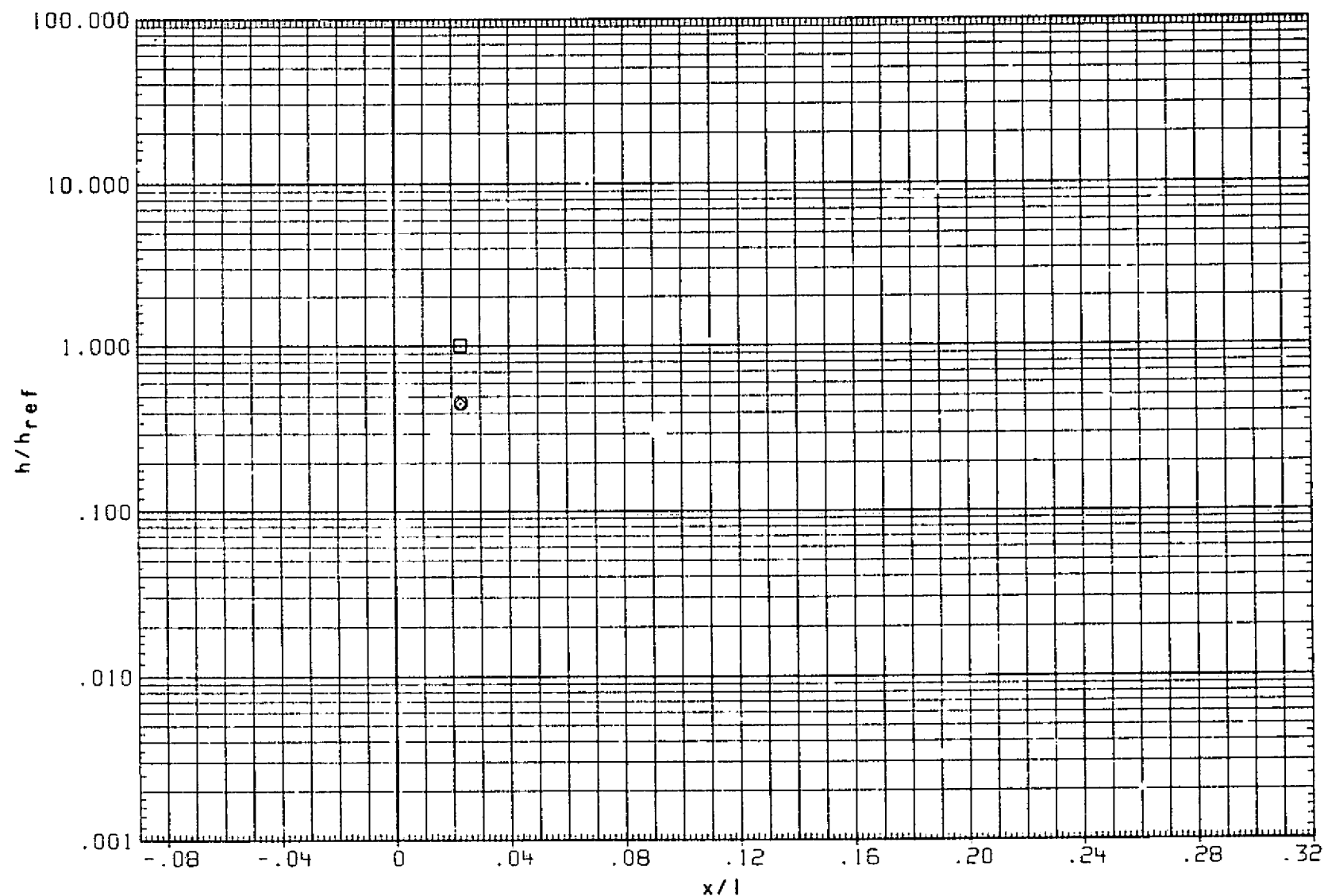


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 990

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

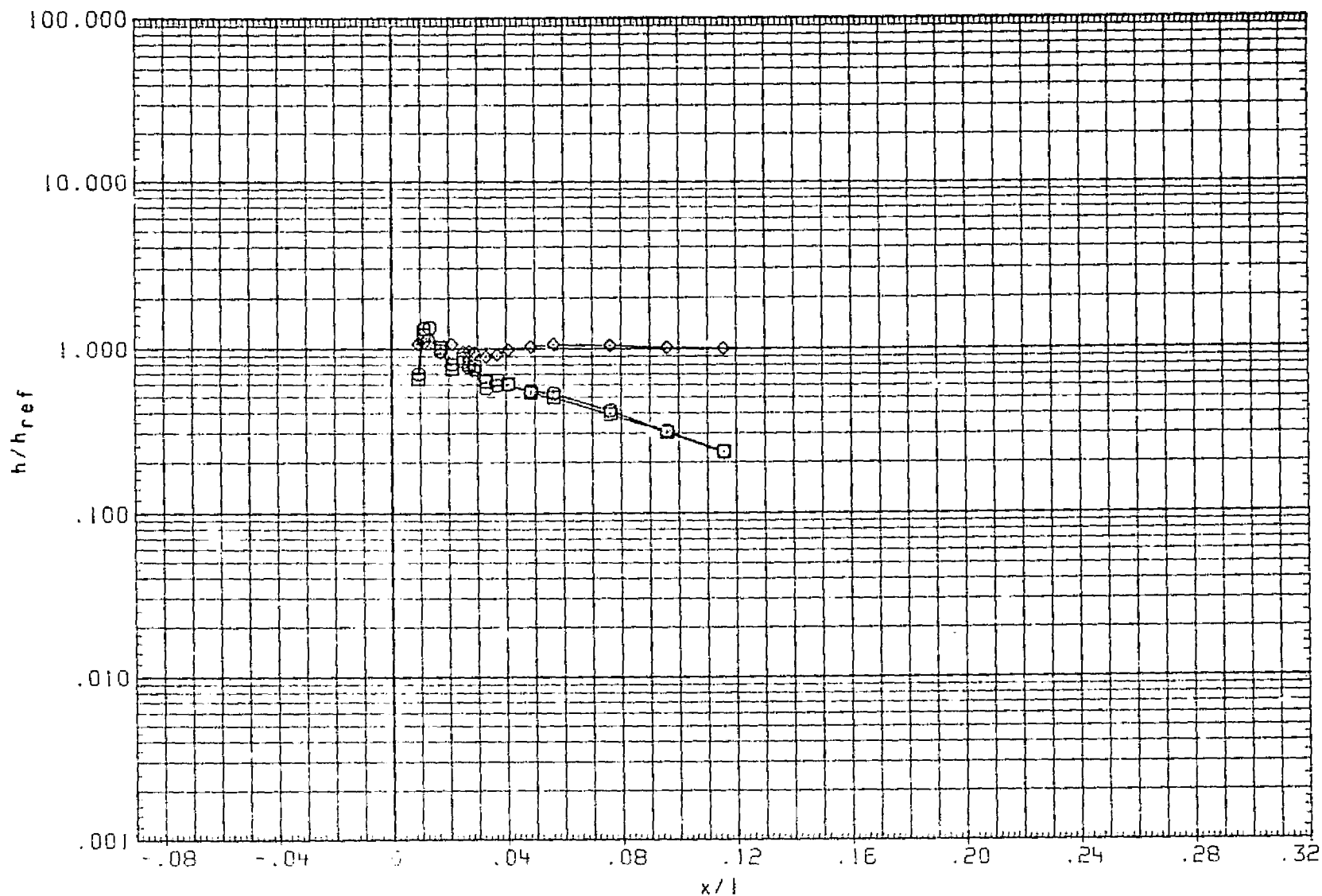


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW-RT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

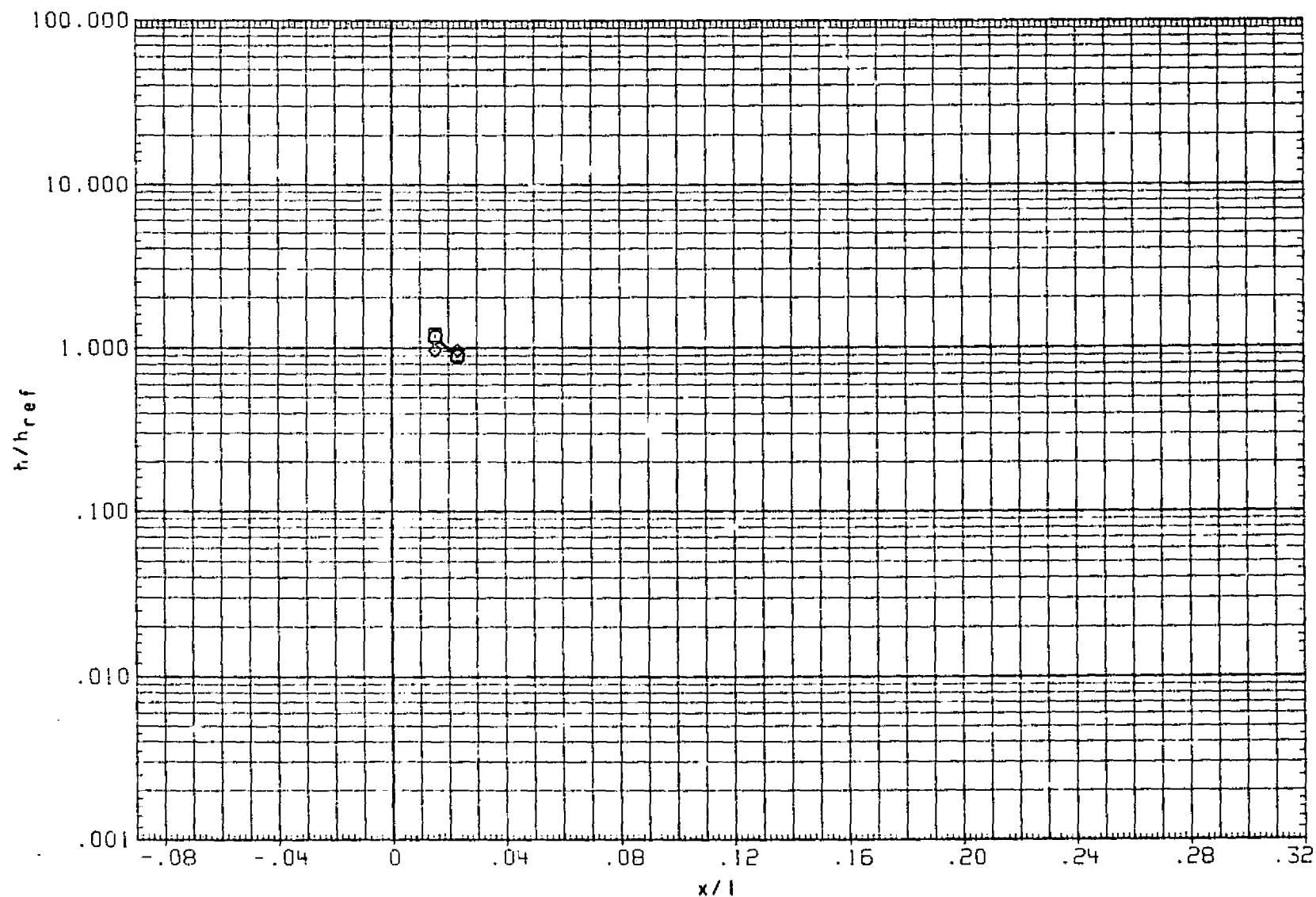


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 992

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

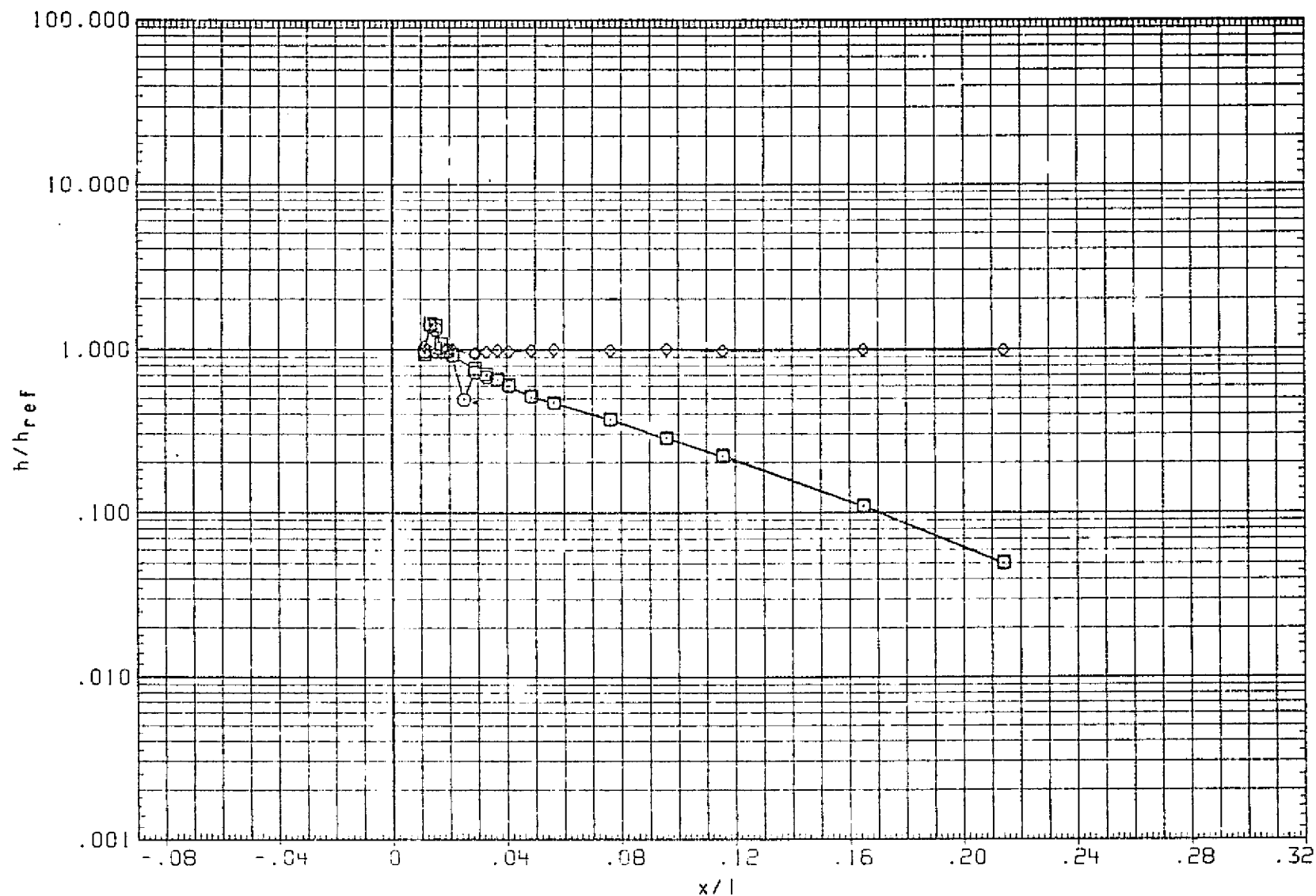


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

PAGE 993

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	5.000	
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

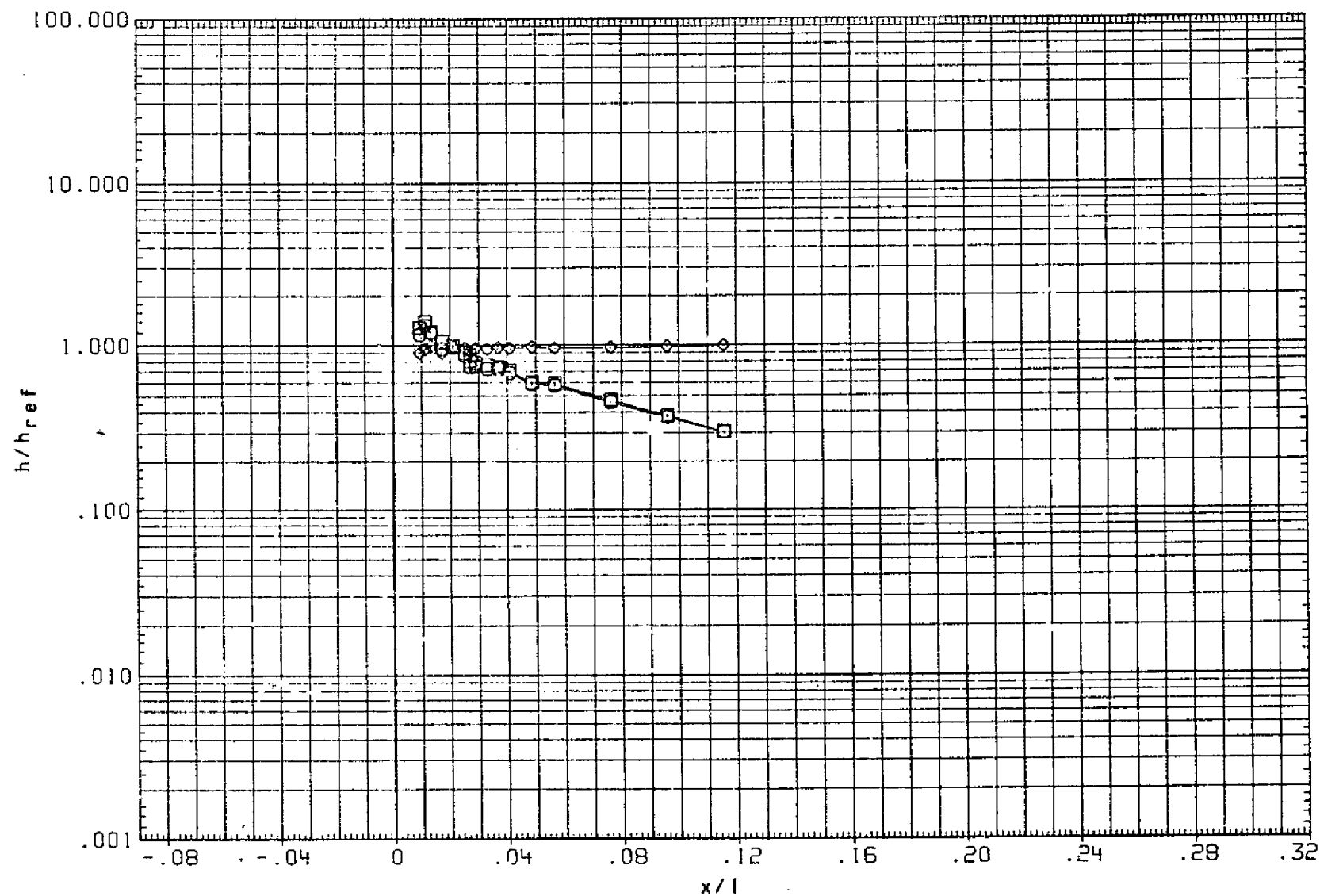


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = . . . THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

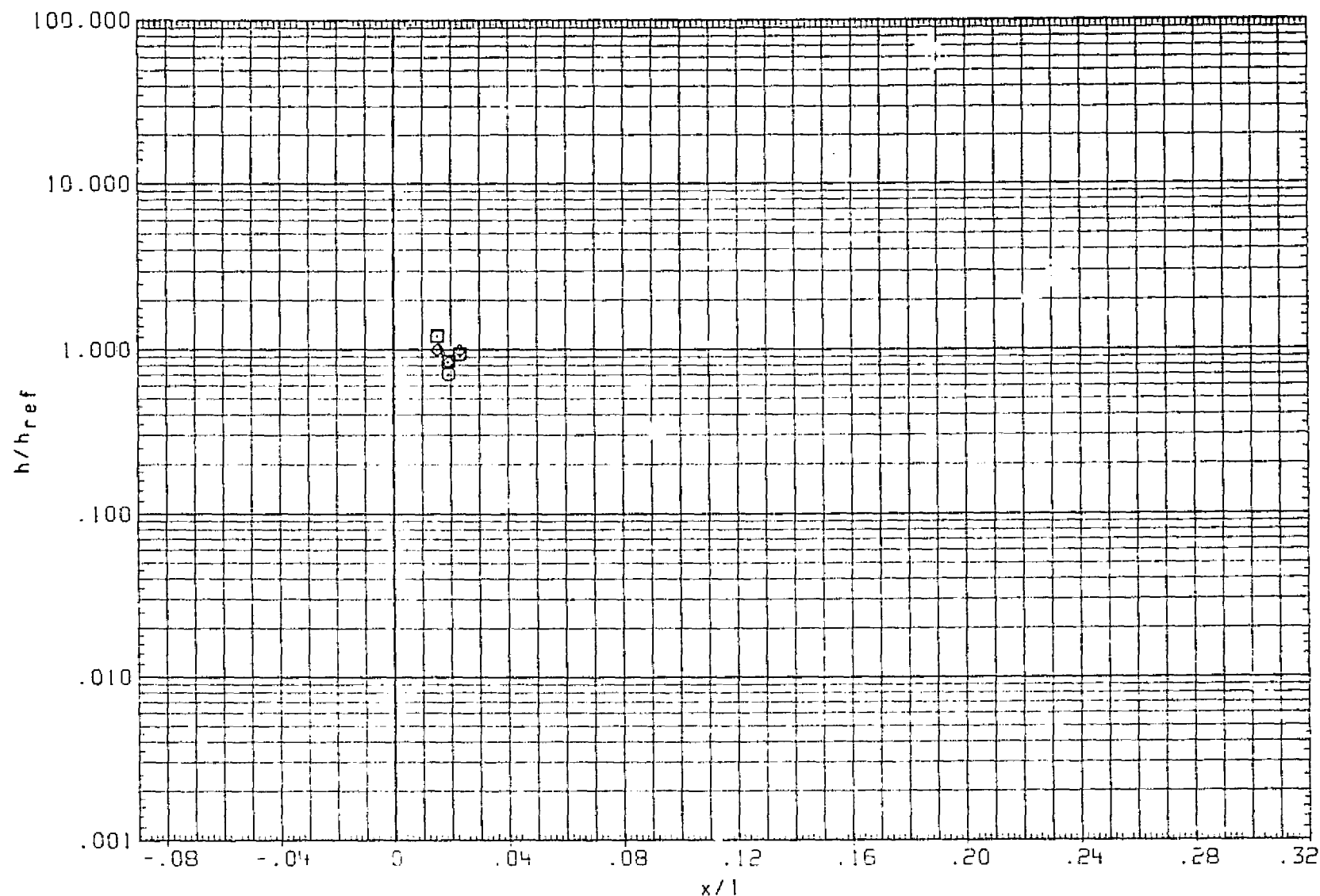


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HI = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

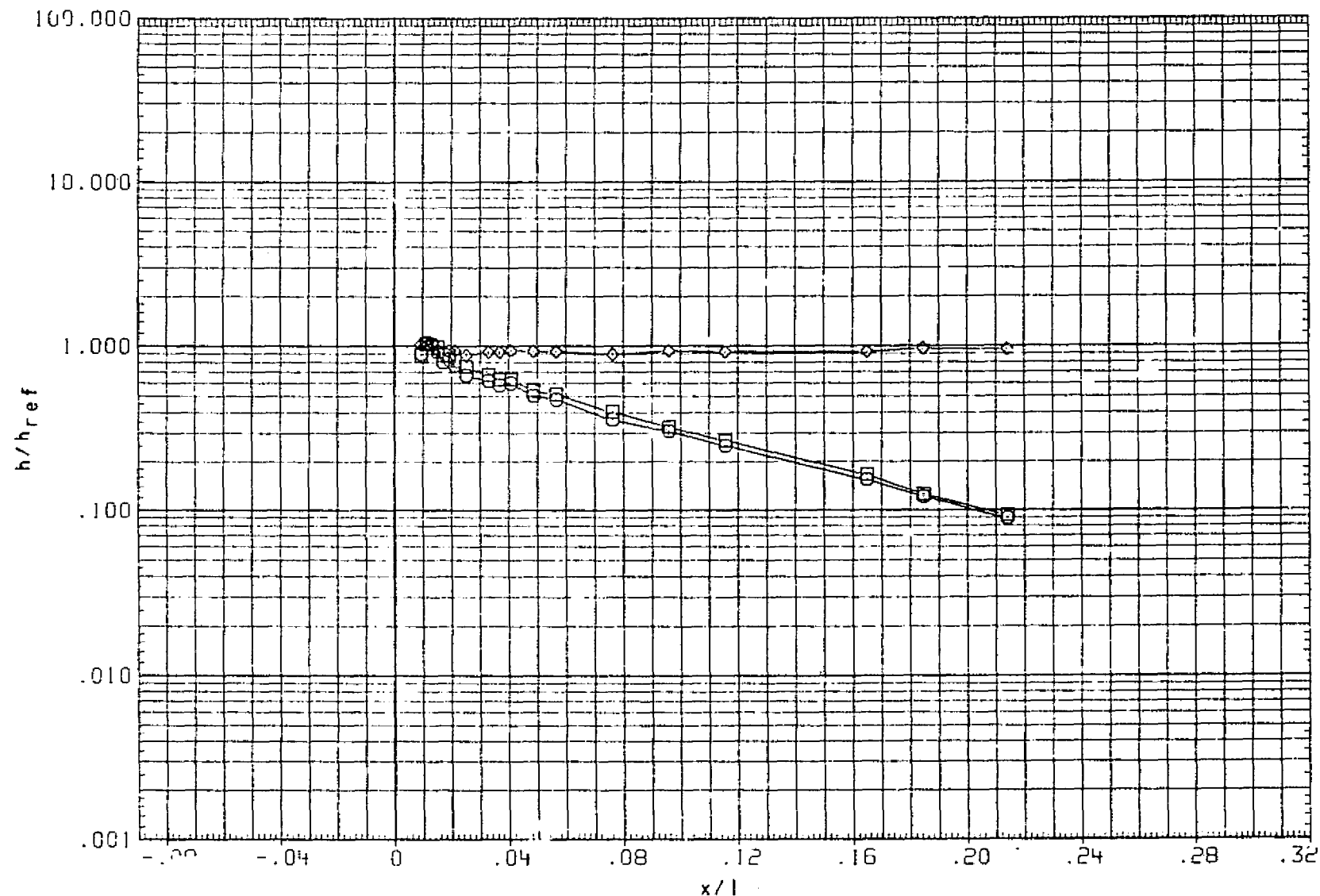


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUS	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

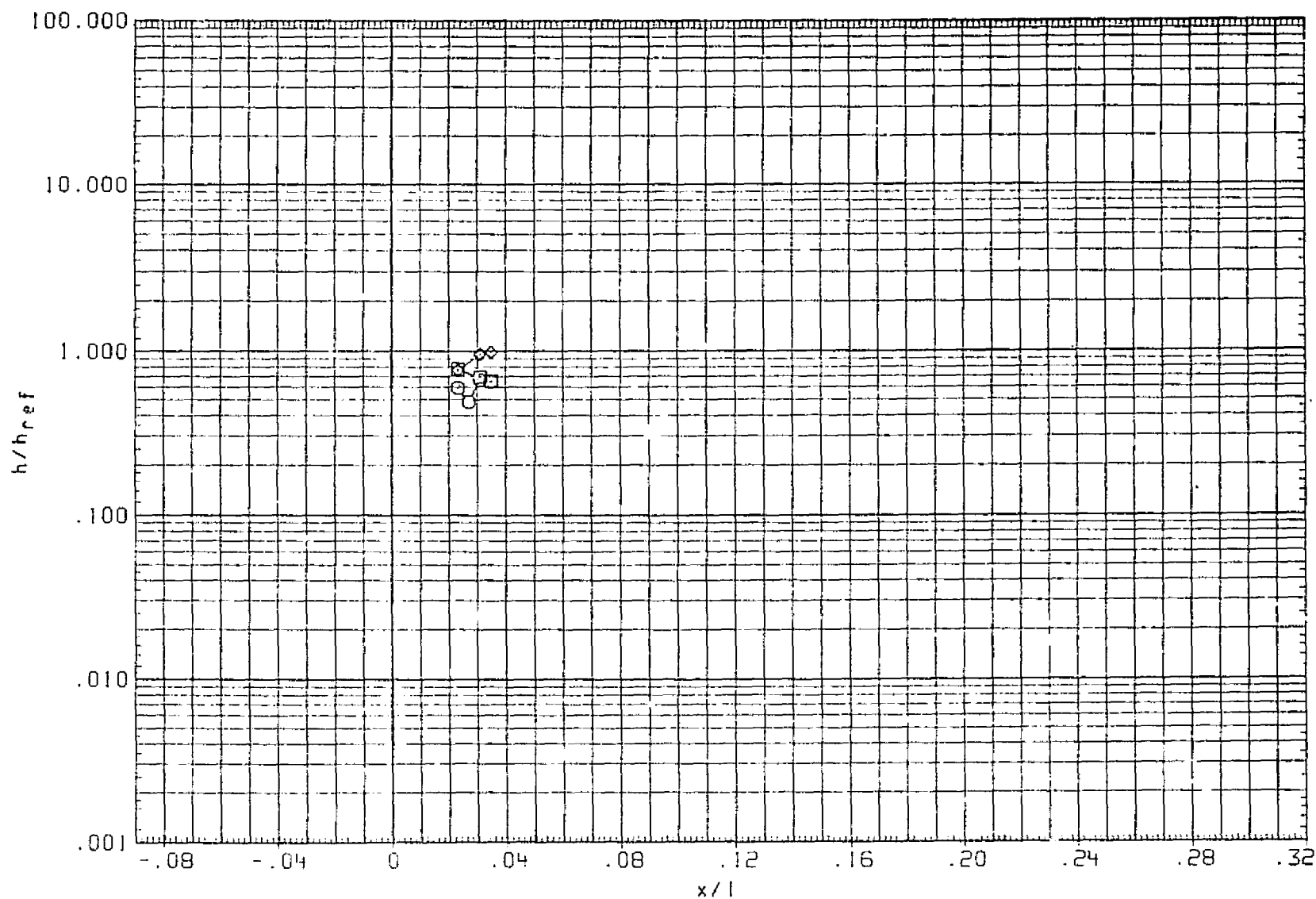


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAWPHT = 1.000 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

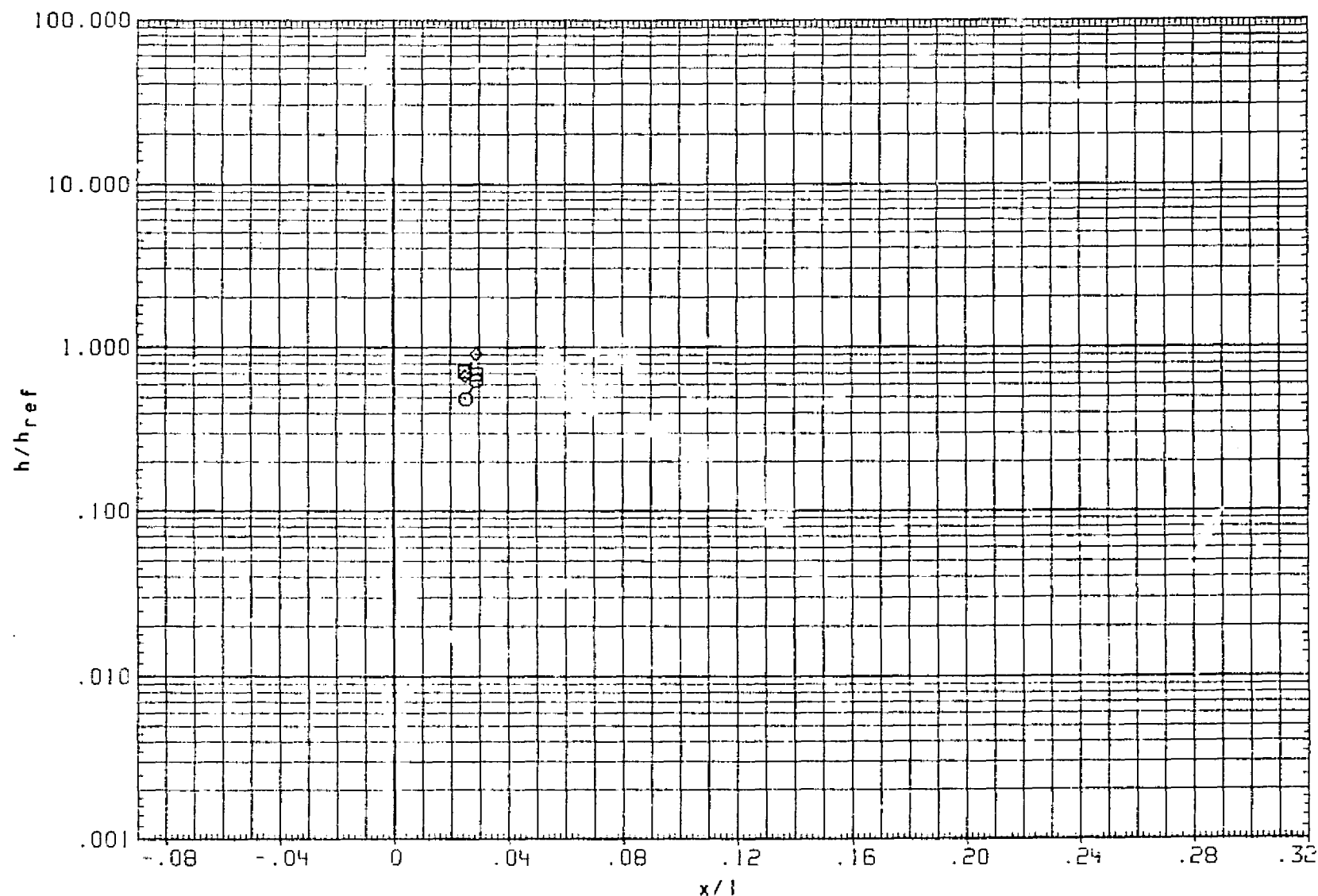


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 998

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA BETA RN/L

(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)0/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

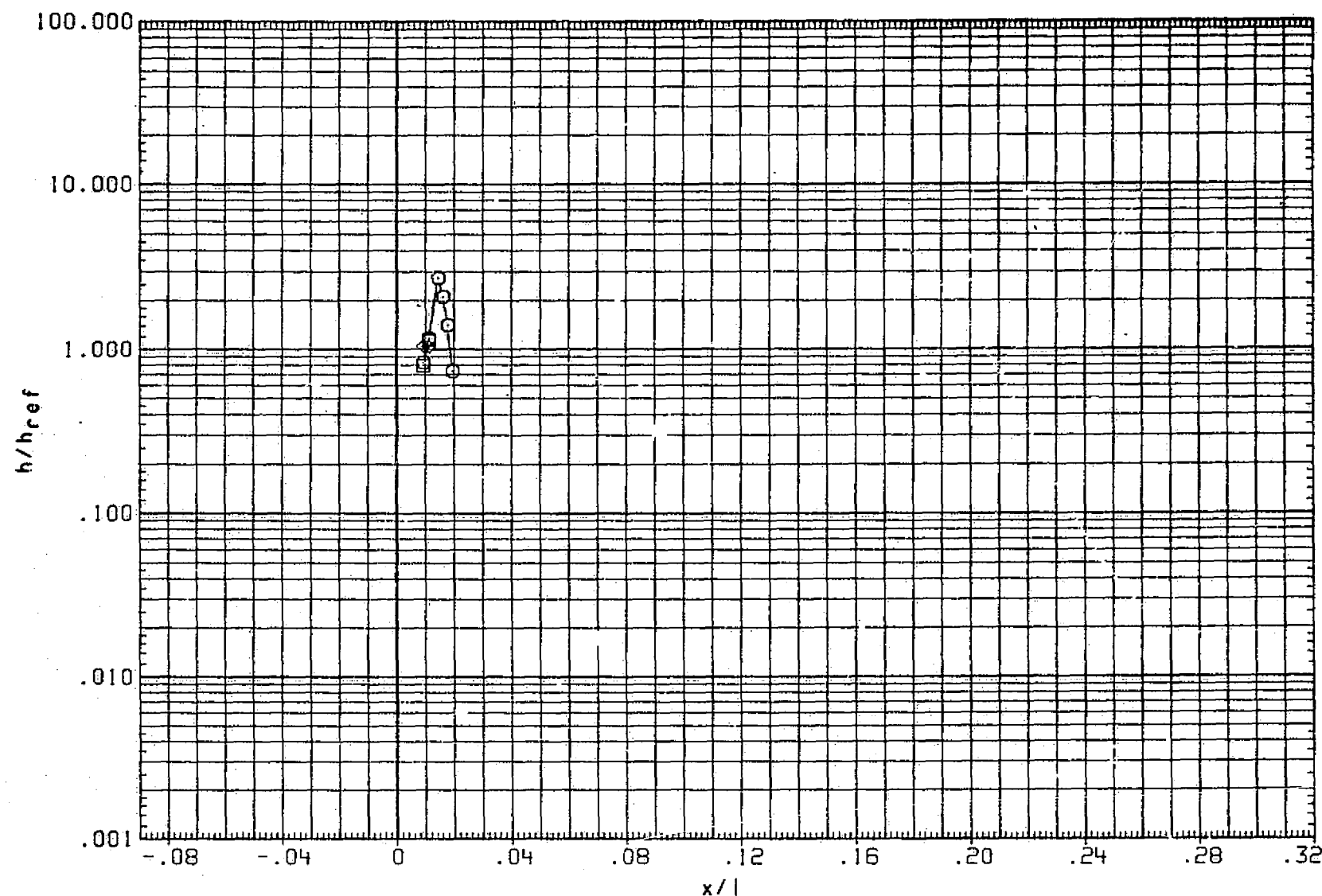


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

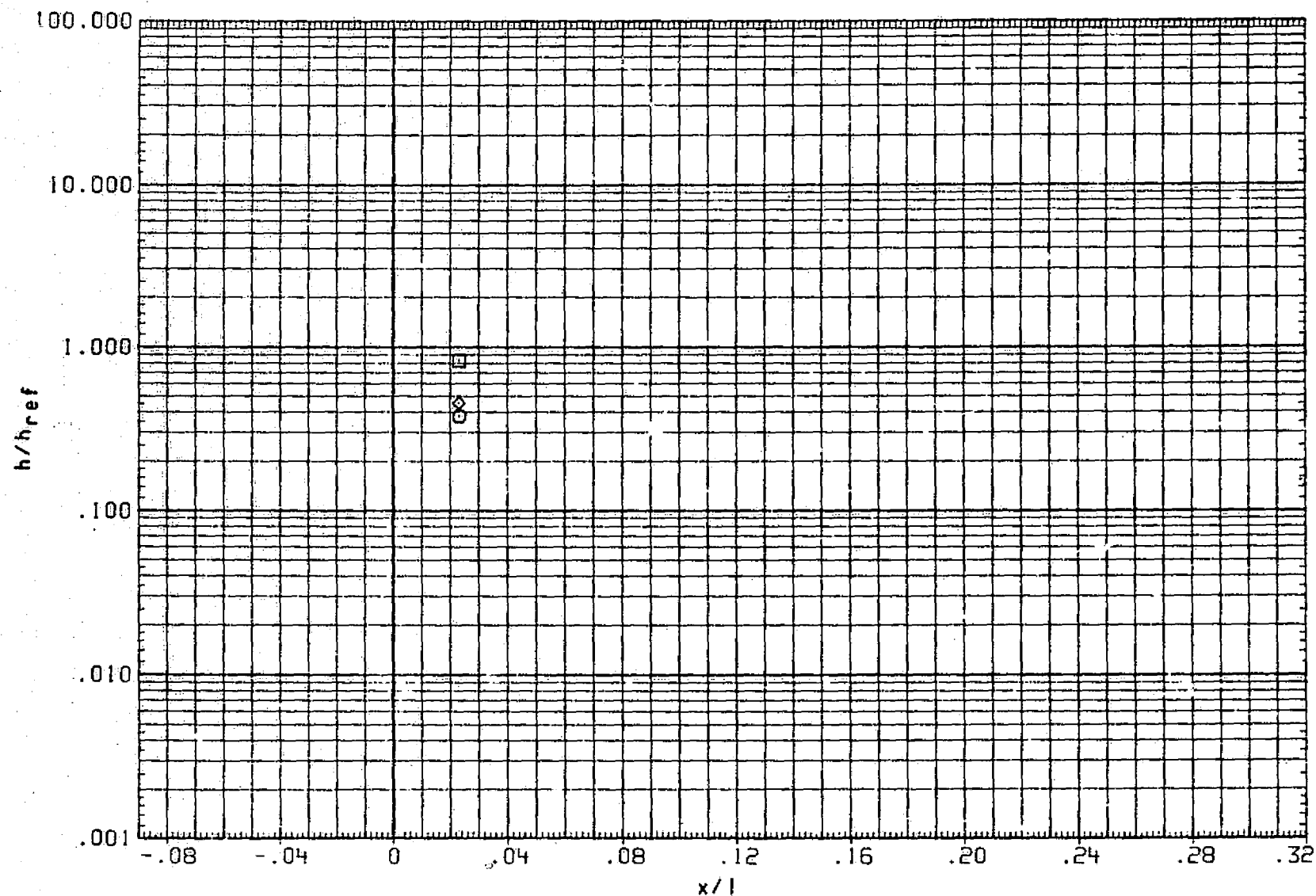


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

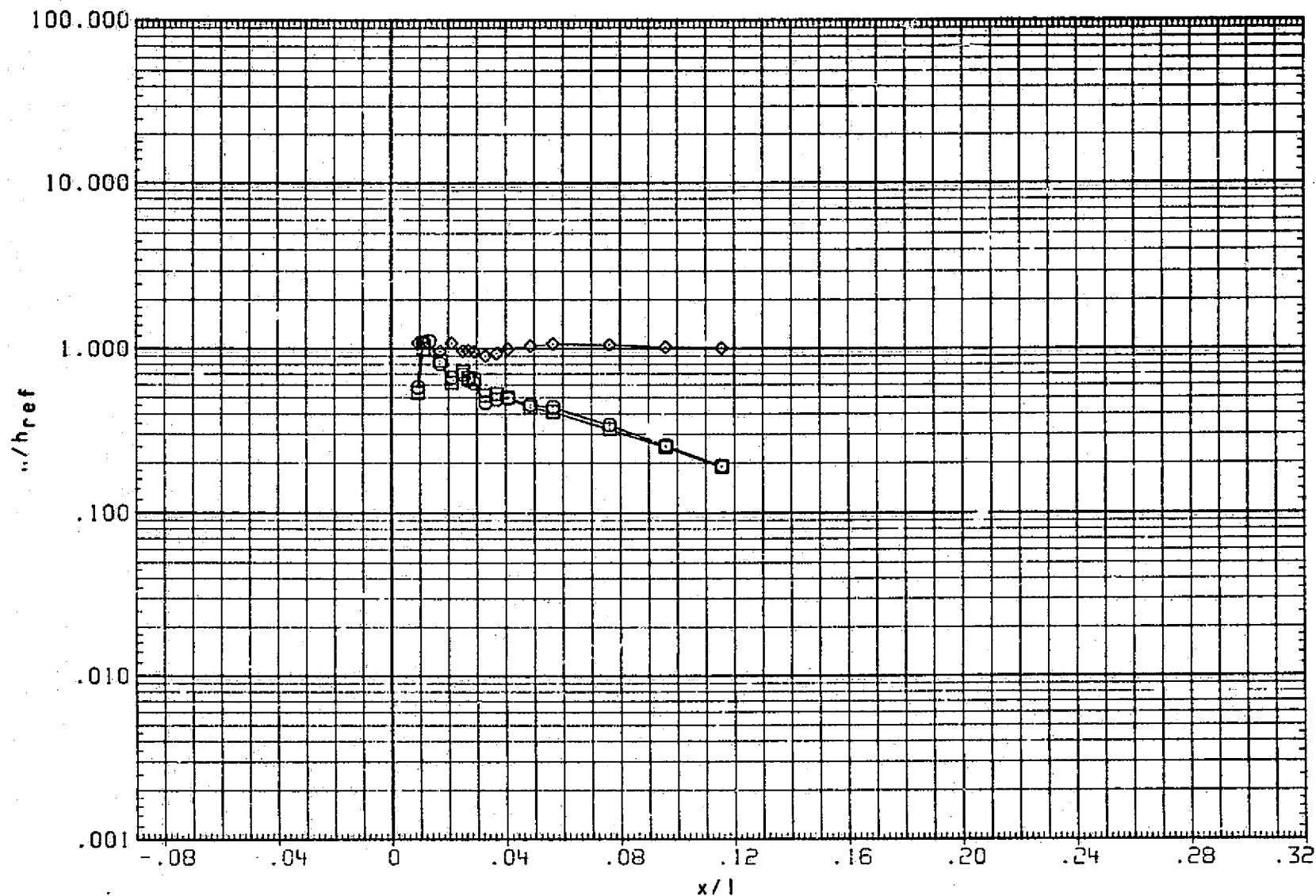


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

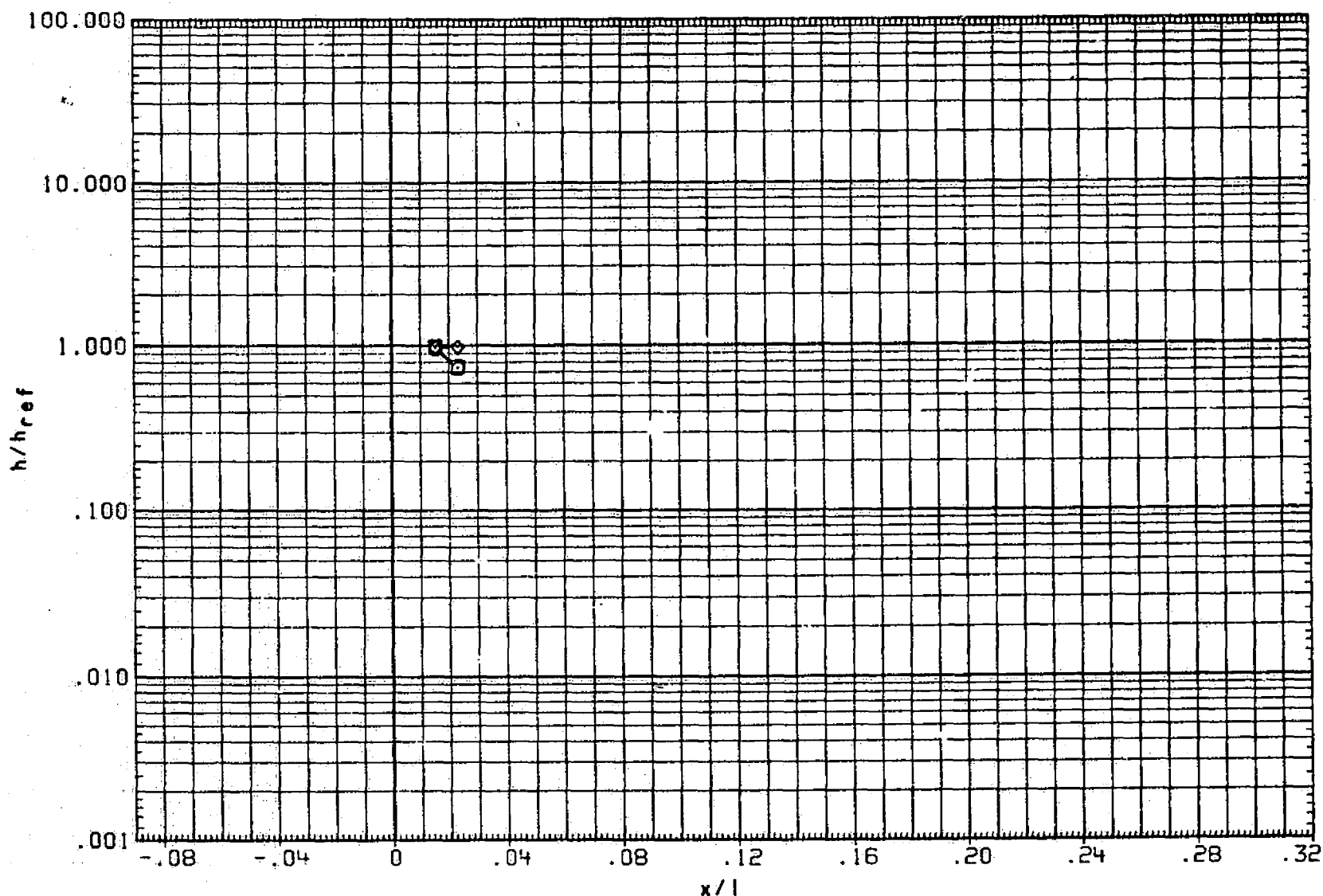


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

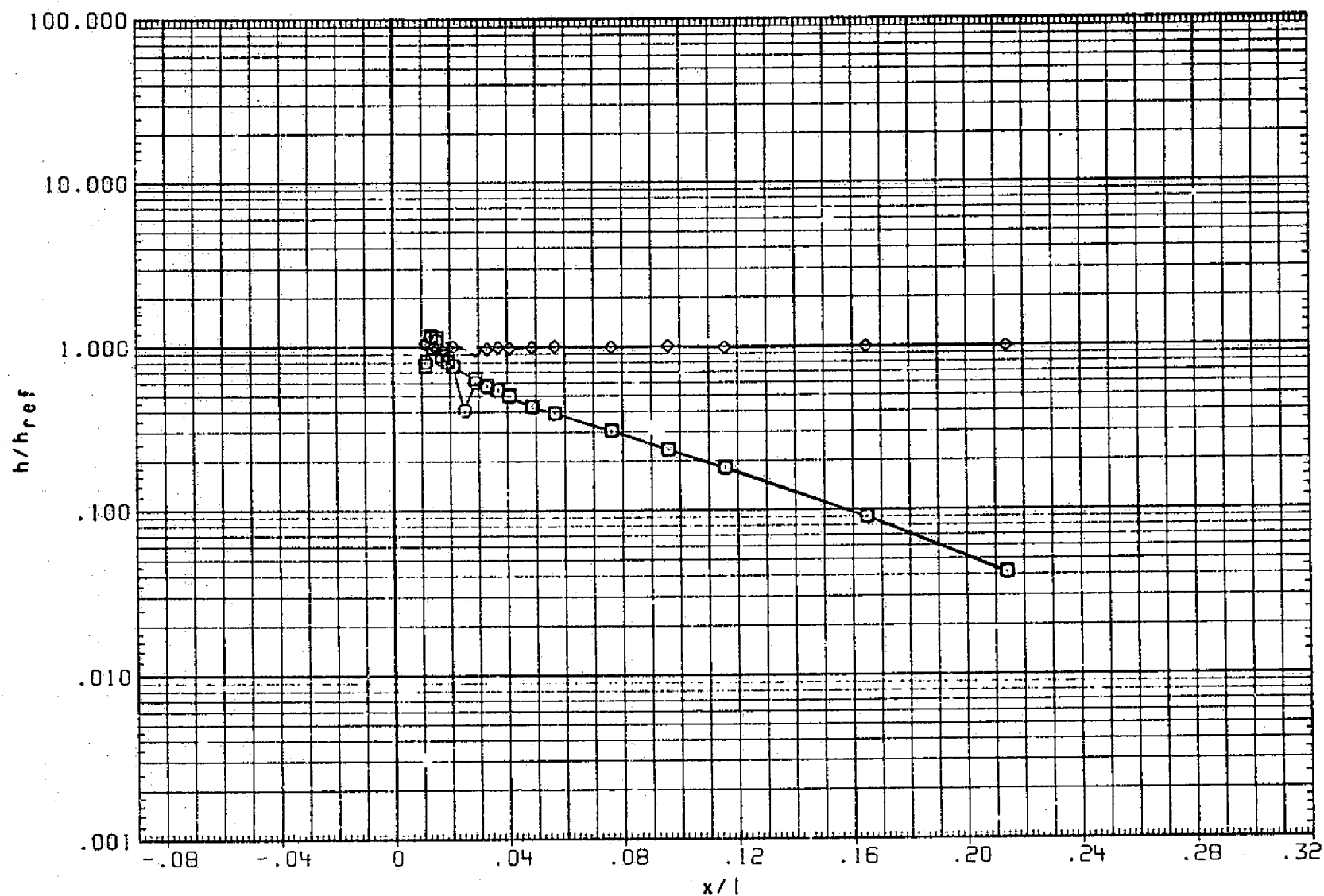


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

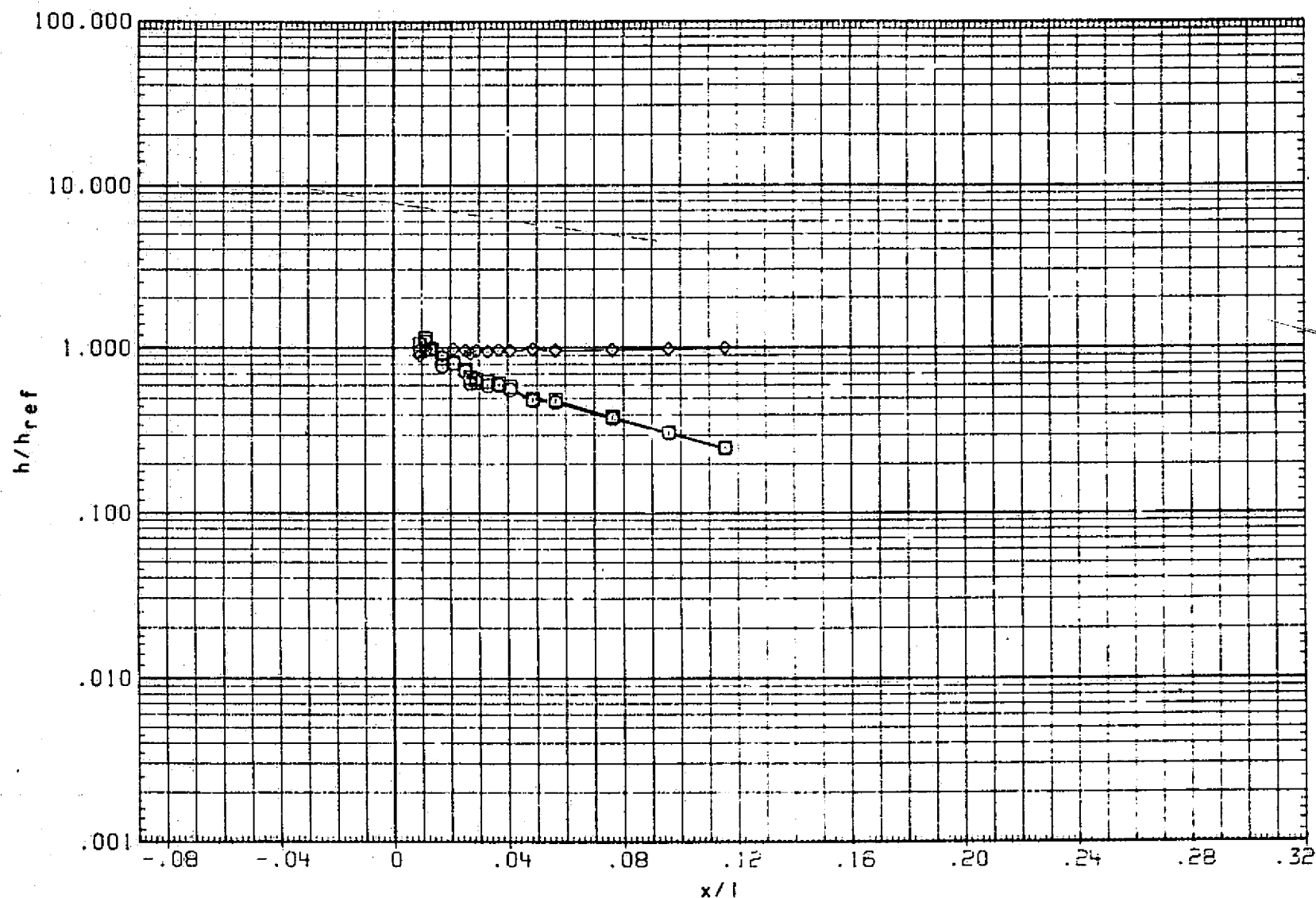


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 BETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT24)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	-5.000	-3.000	5.000
(BNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT24)	-5.000	-3.000	5.000

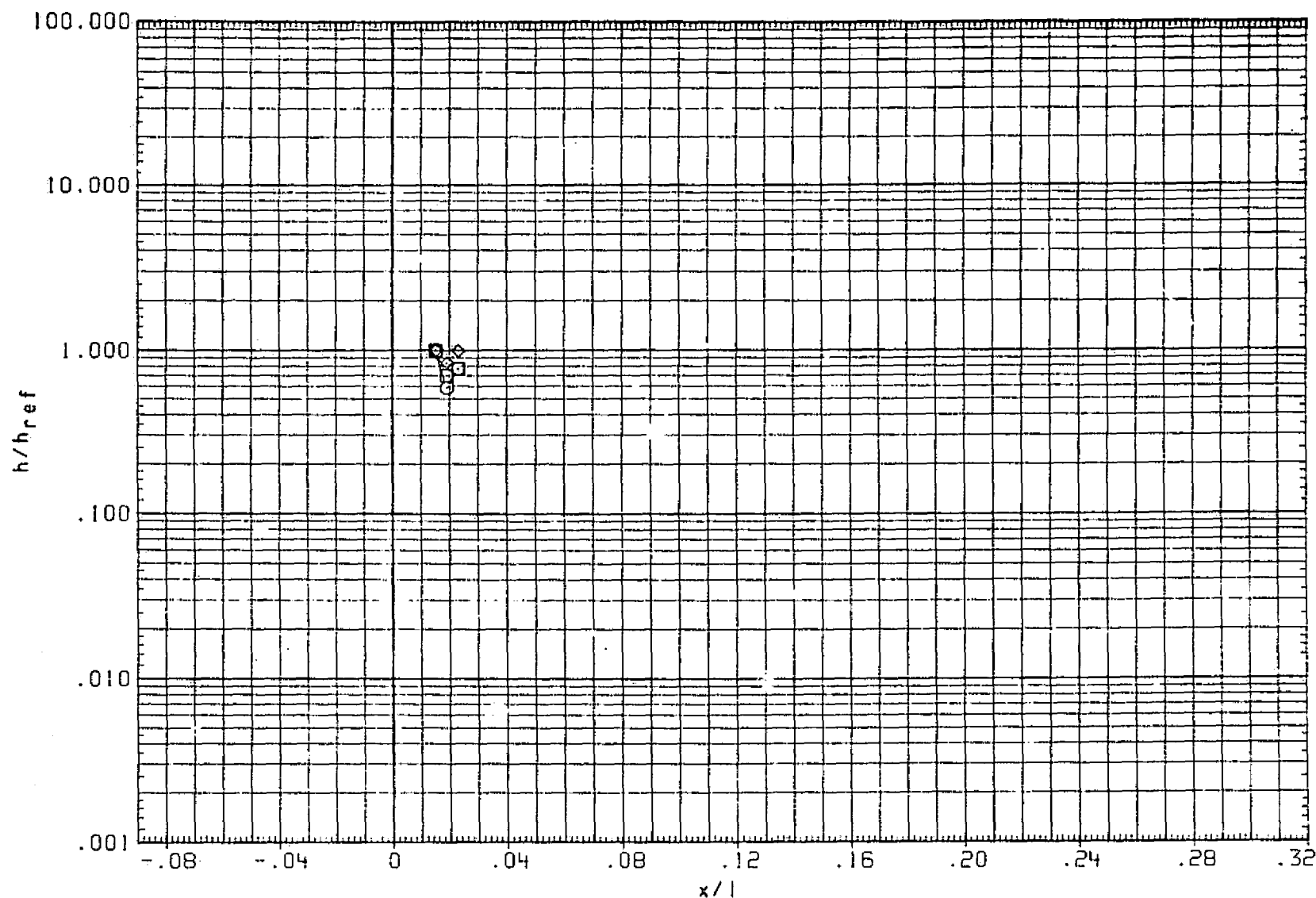


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT14	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
RNTT29	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
RNTT14	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

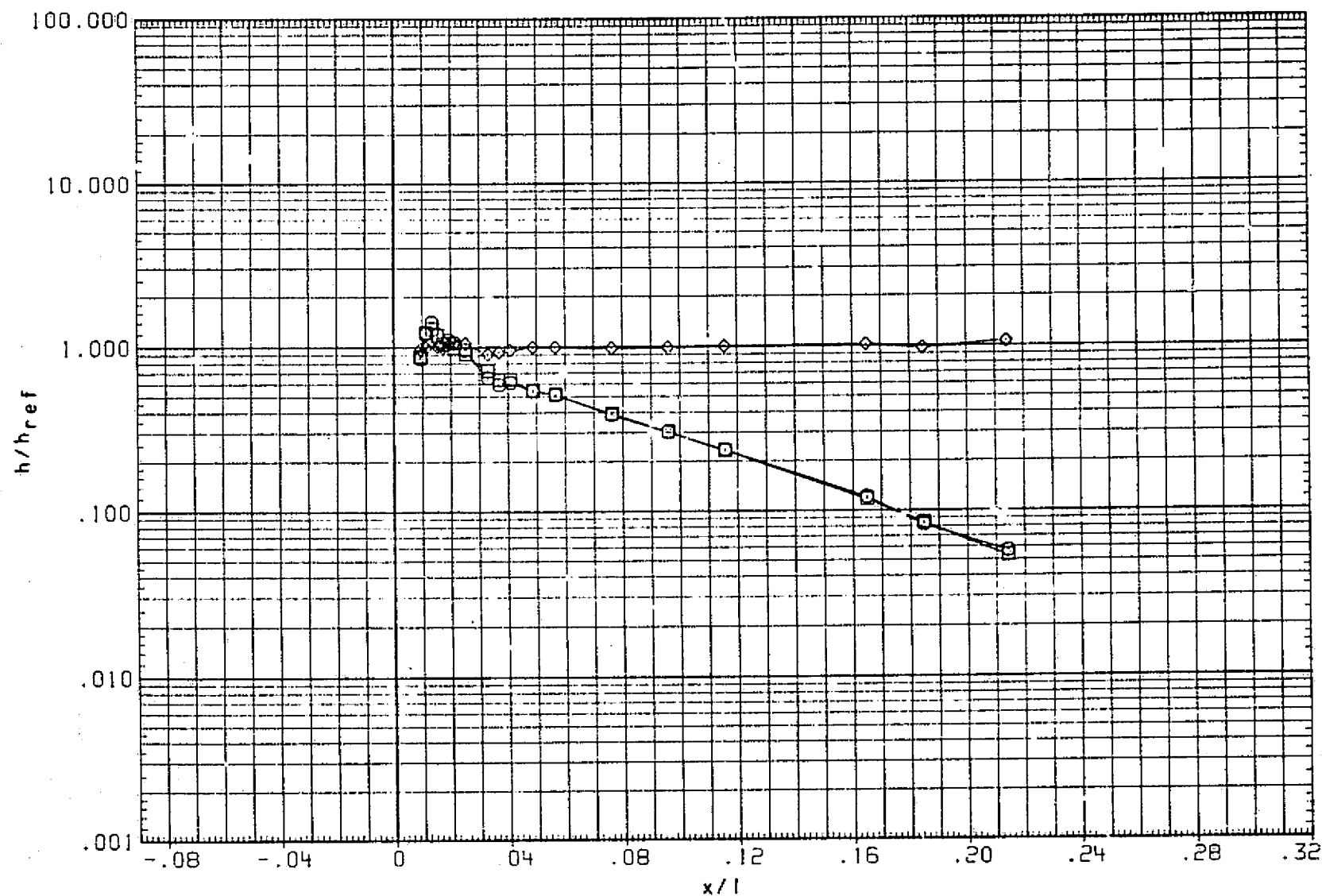


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

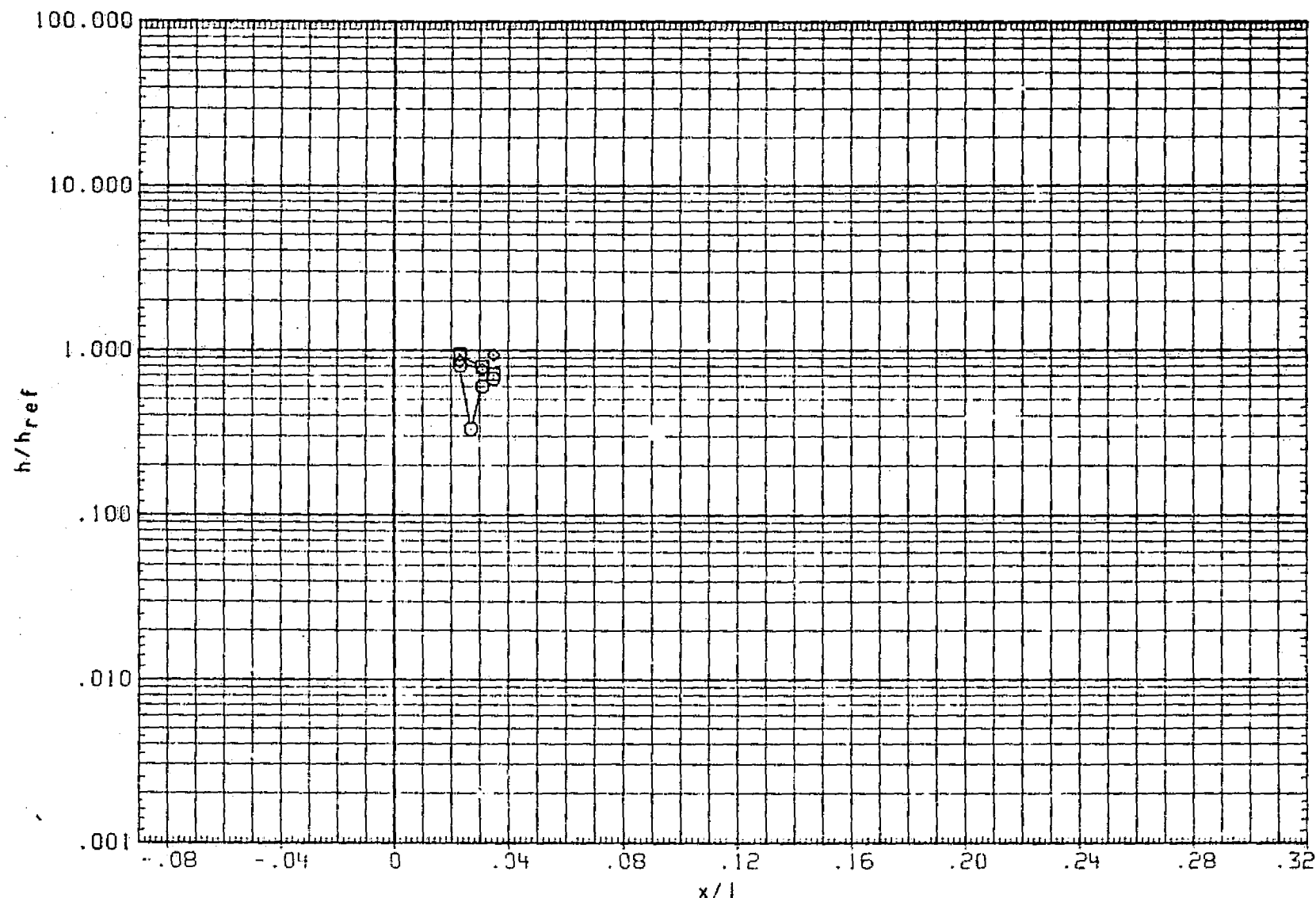


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

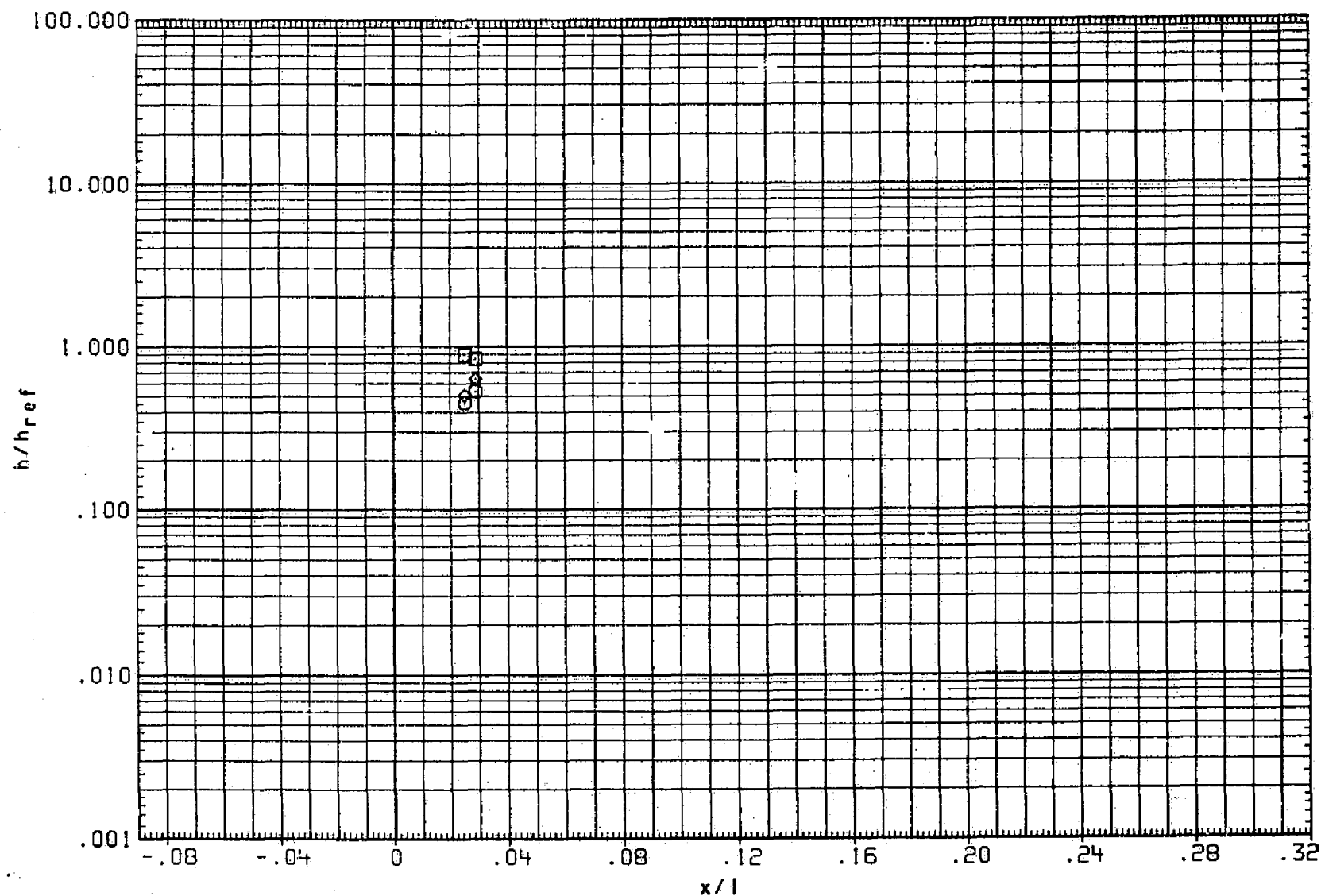


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

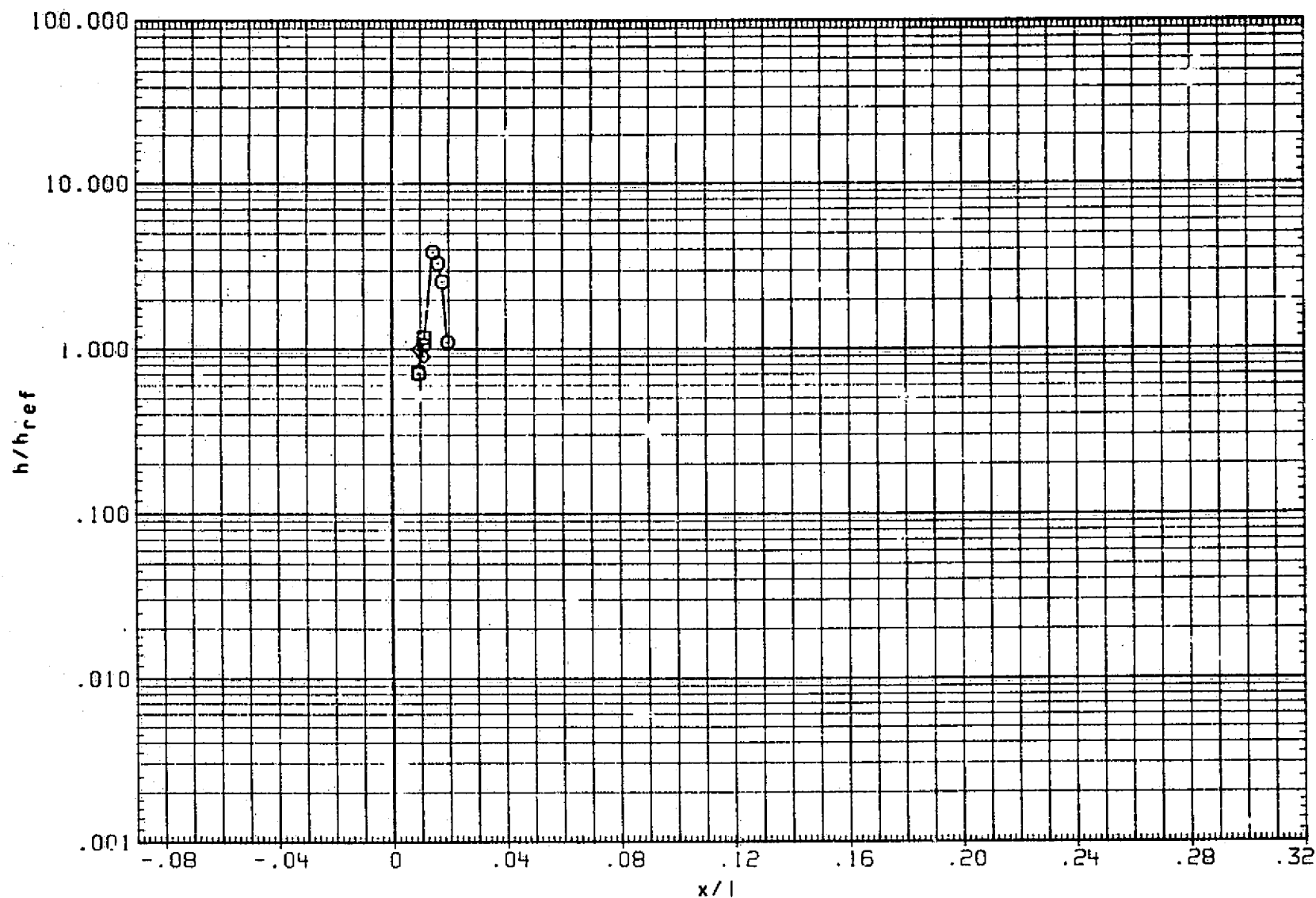


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

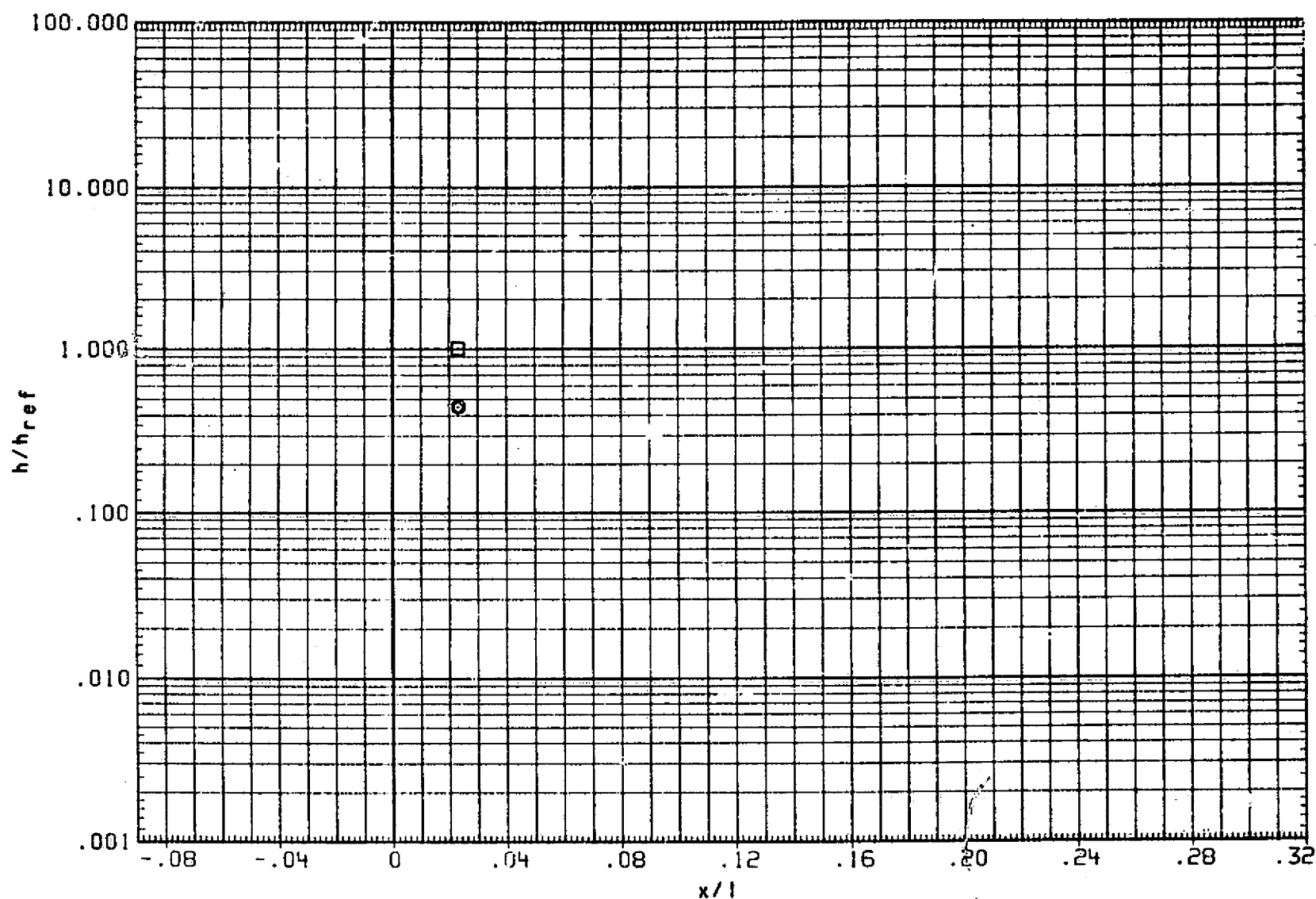


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1010

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

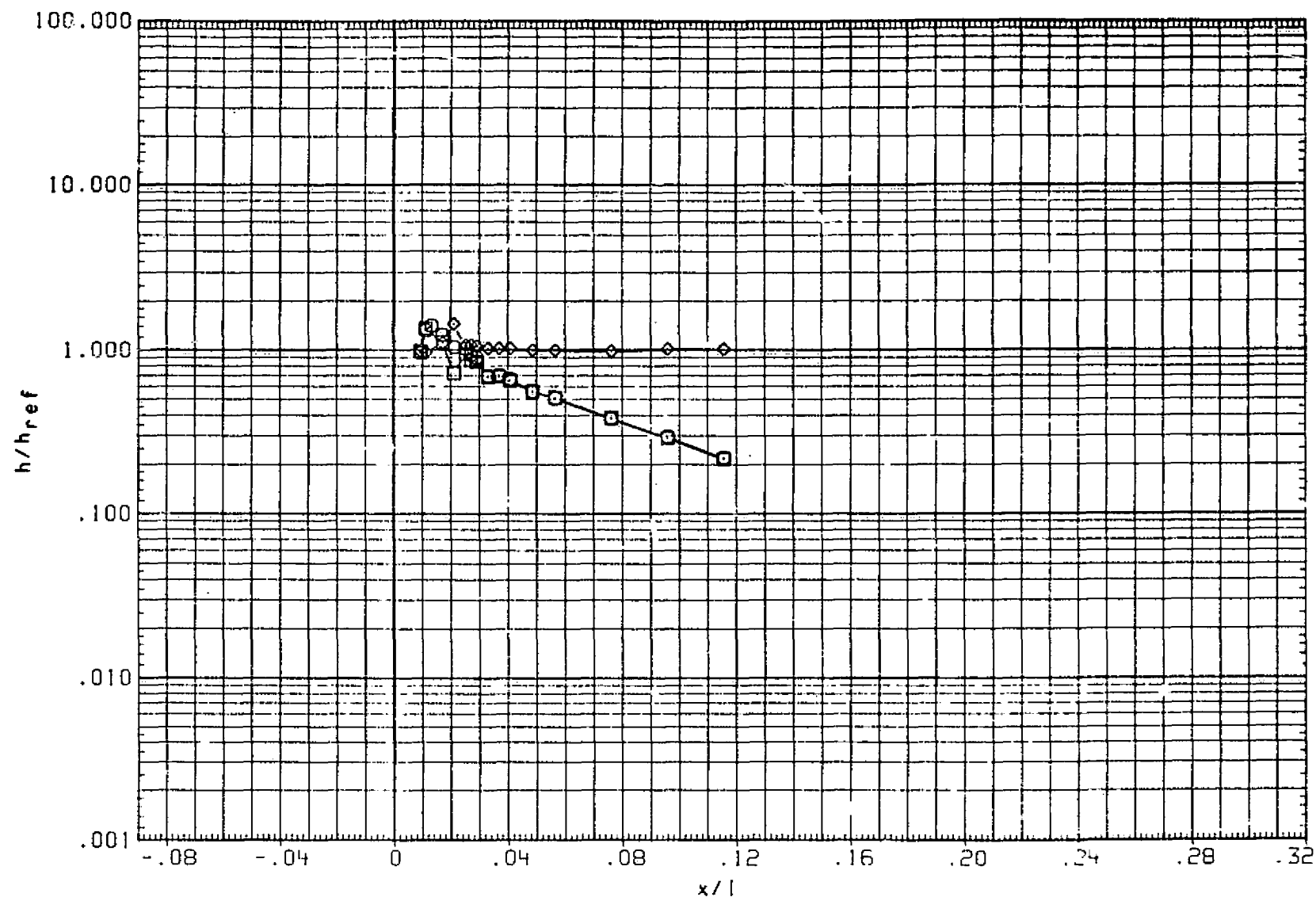


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 1011

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNT29)	5.000	-6.000	5.000

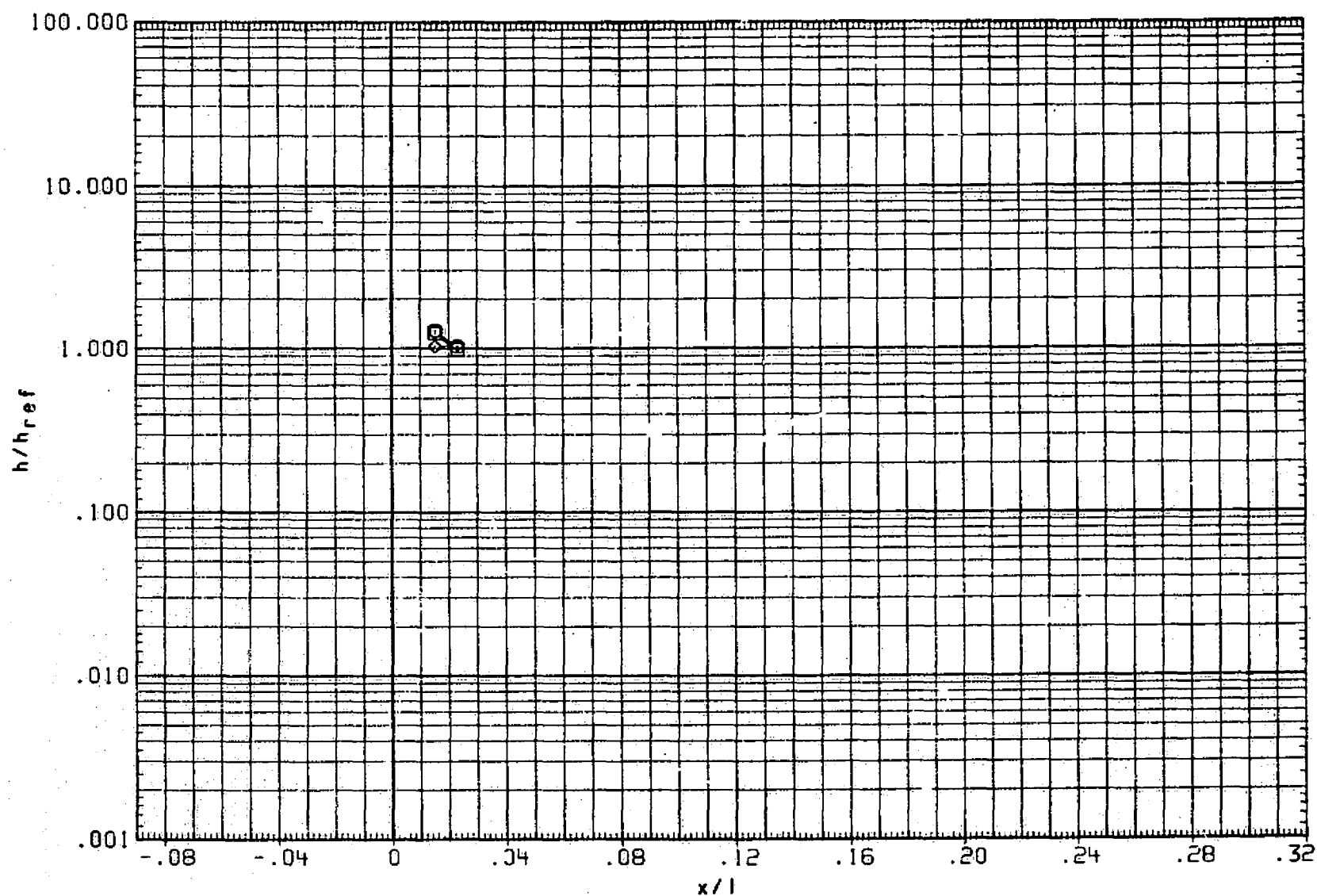


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(RNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

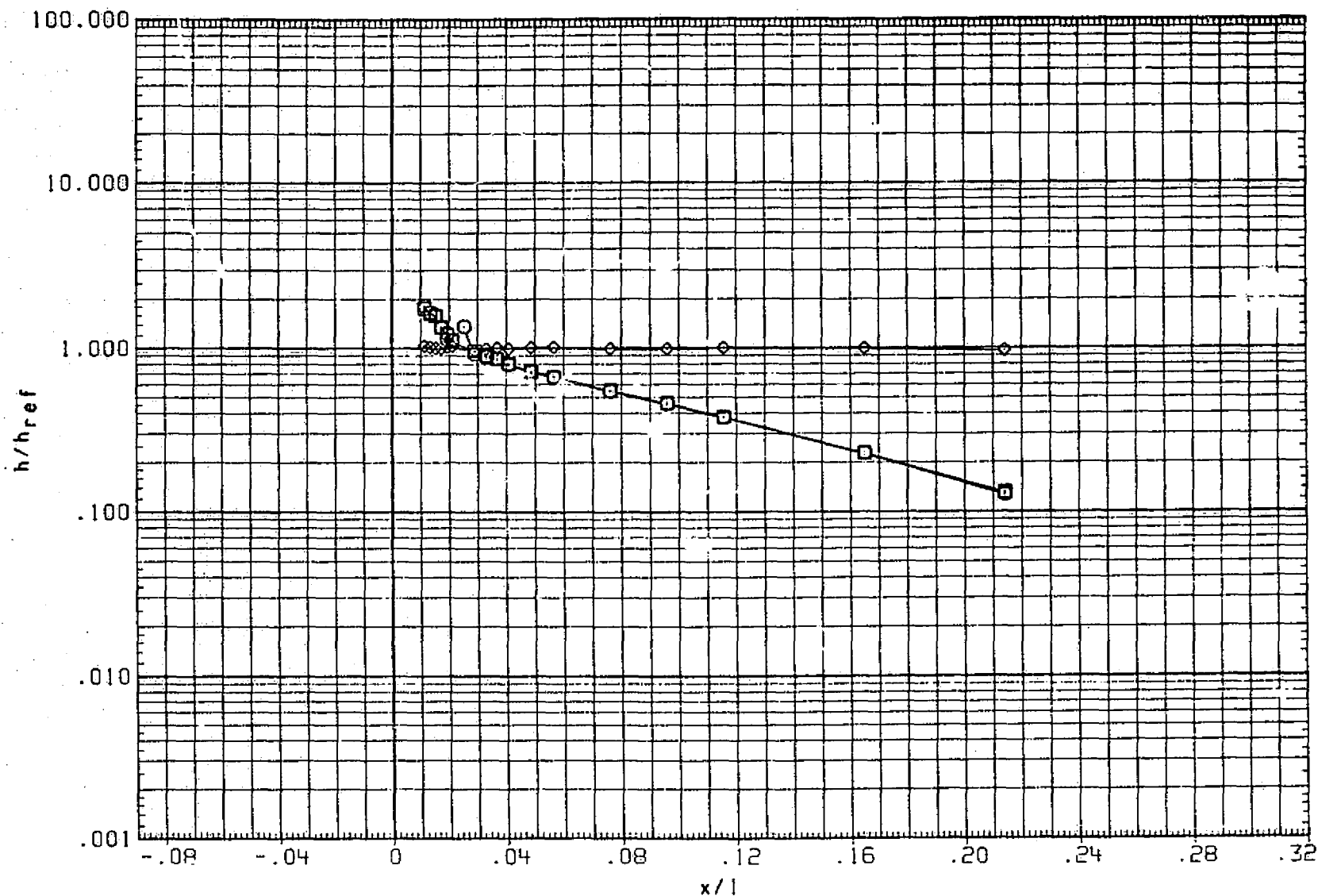


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

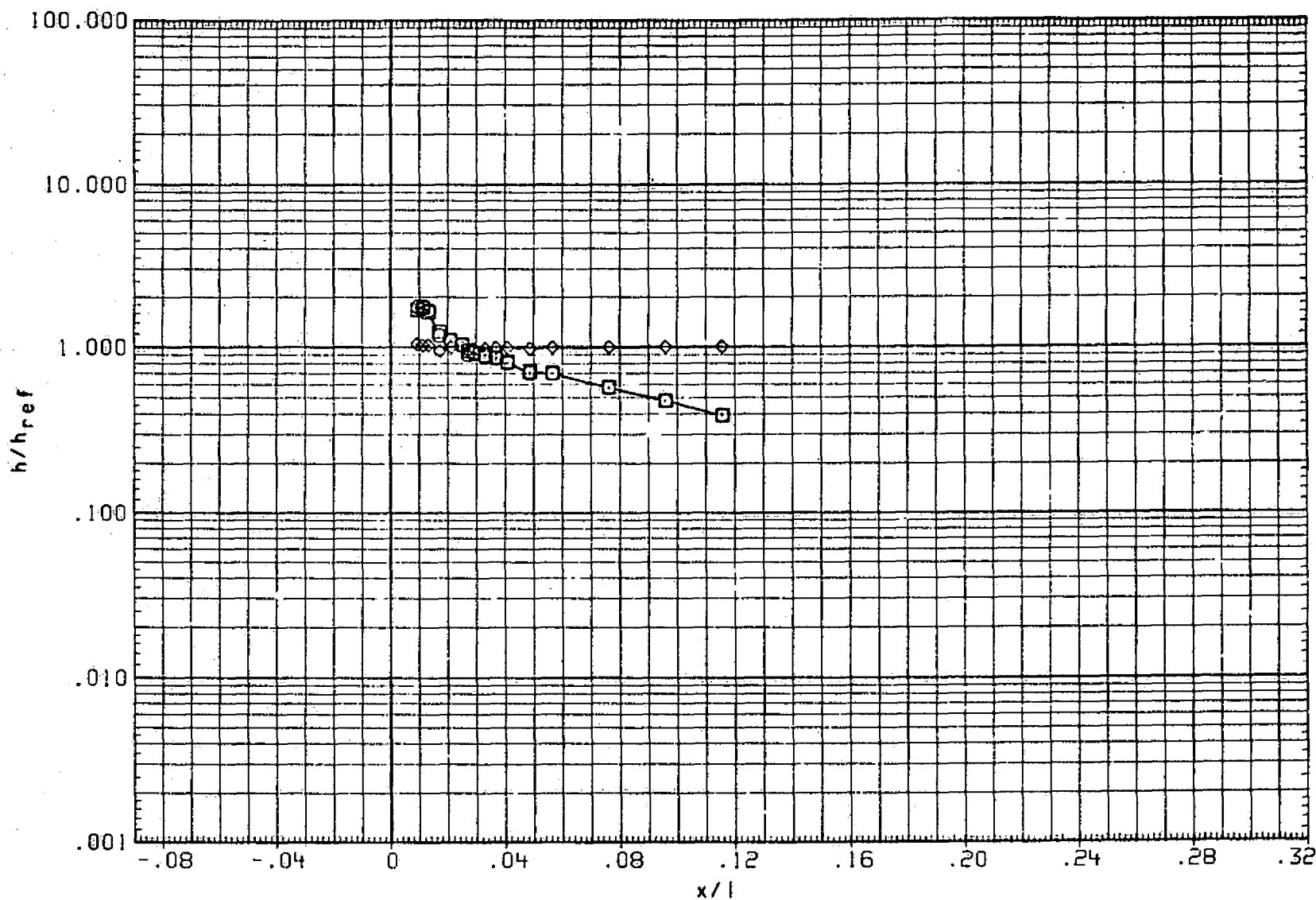


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

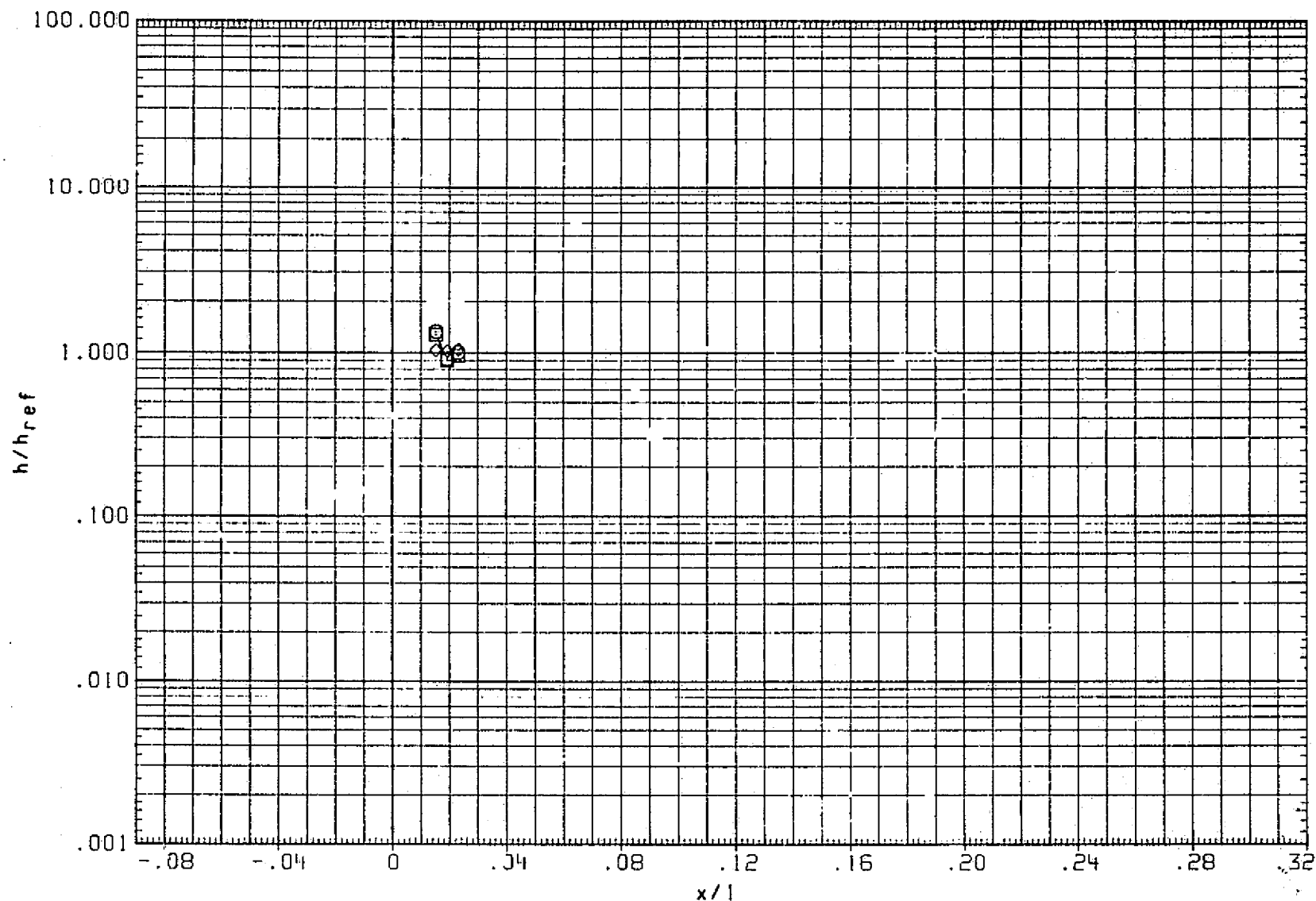


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

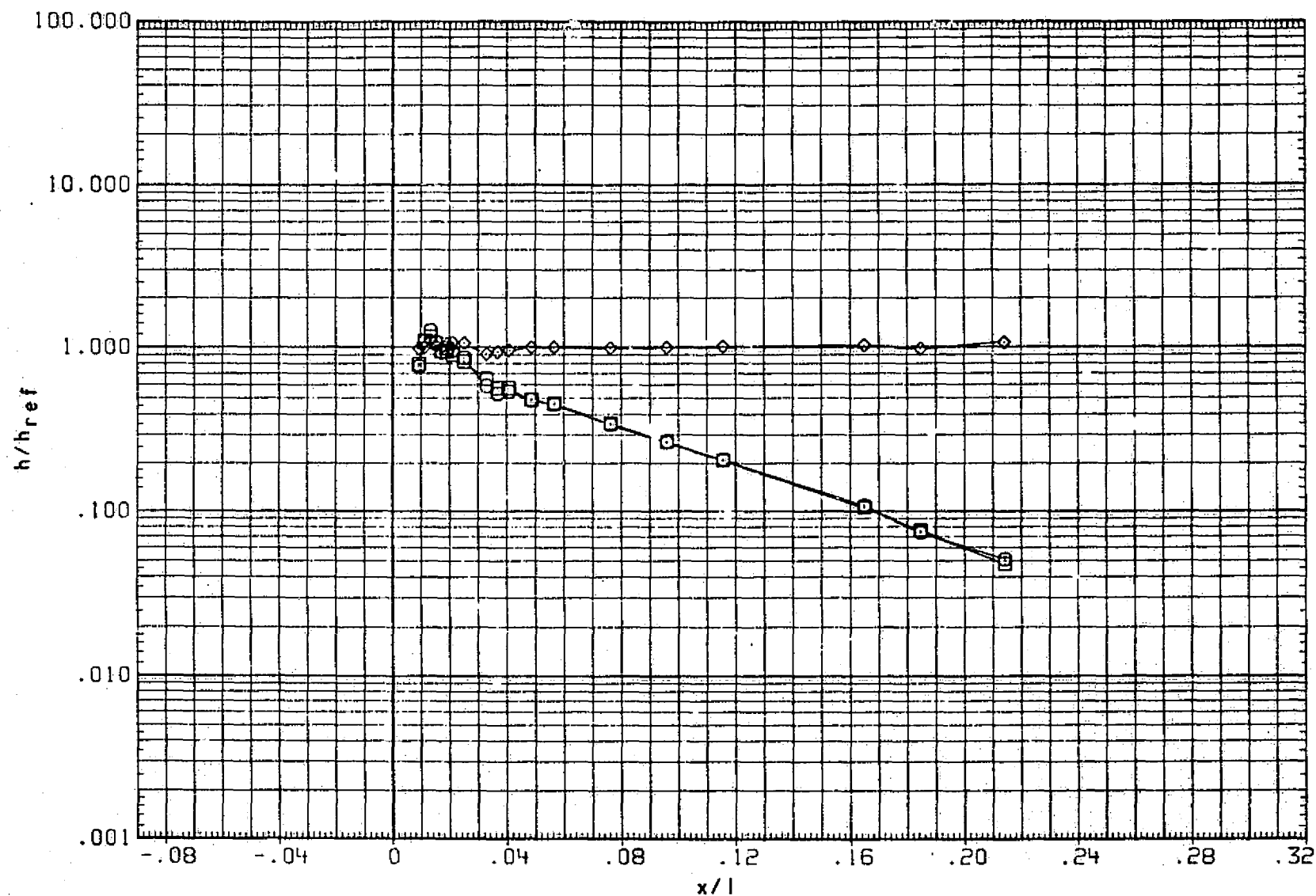


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

PAGE 1016

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(RNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

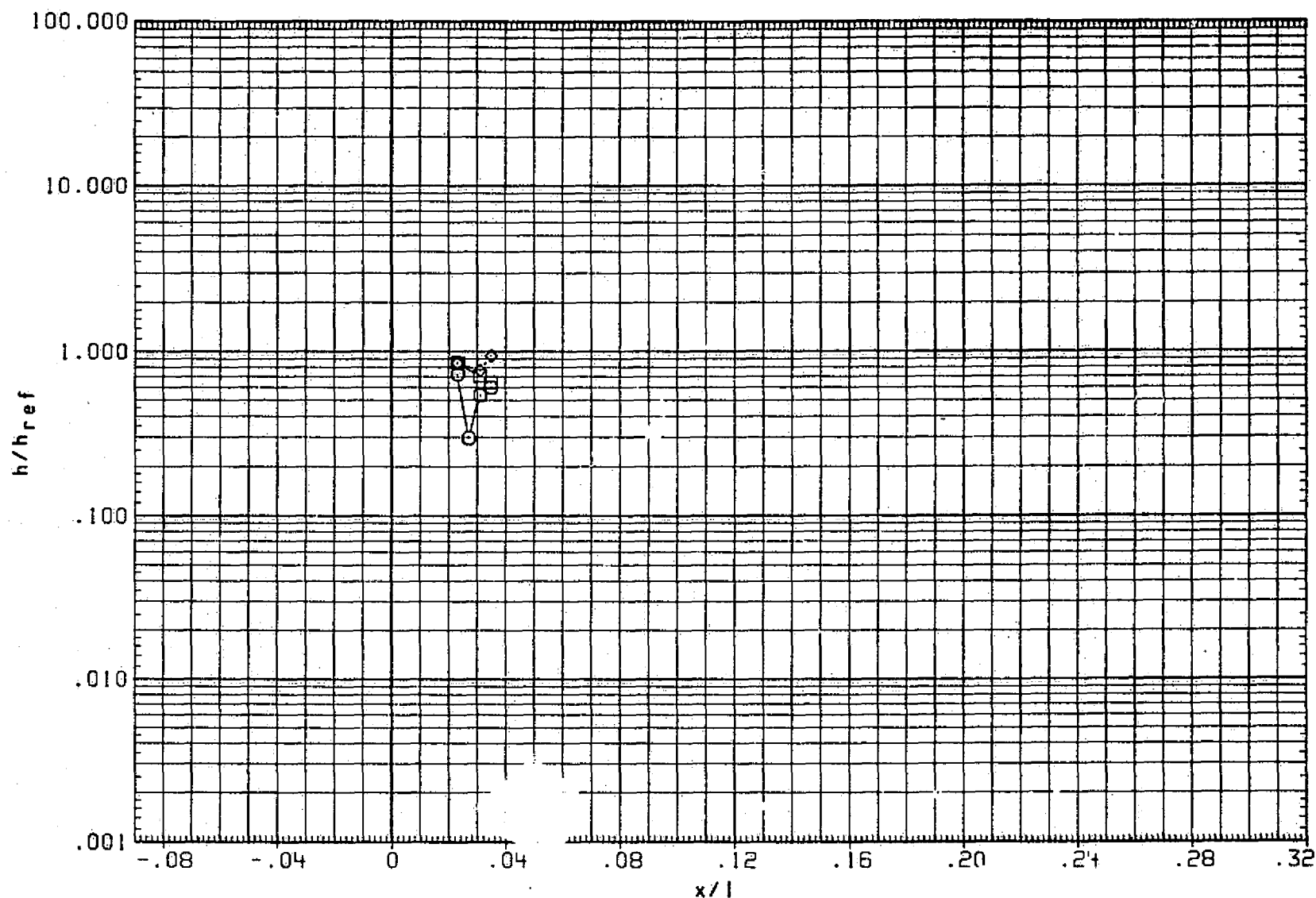


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

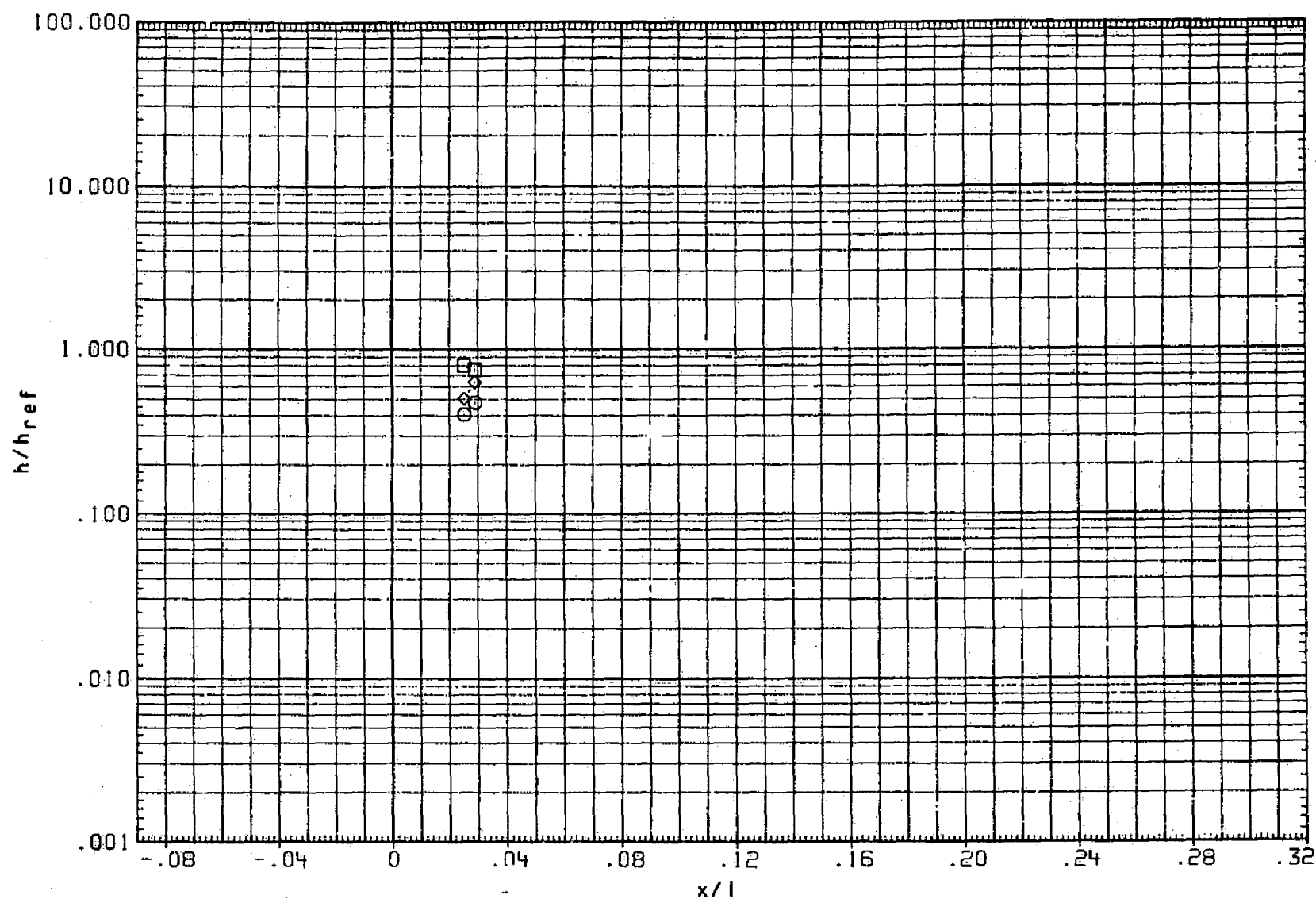


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1018

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

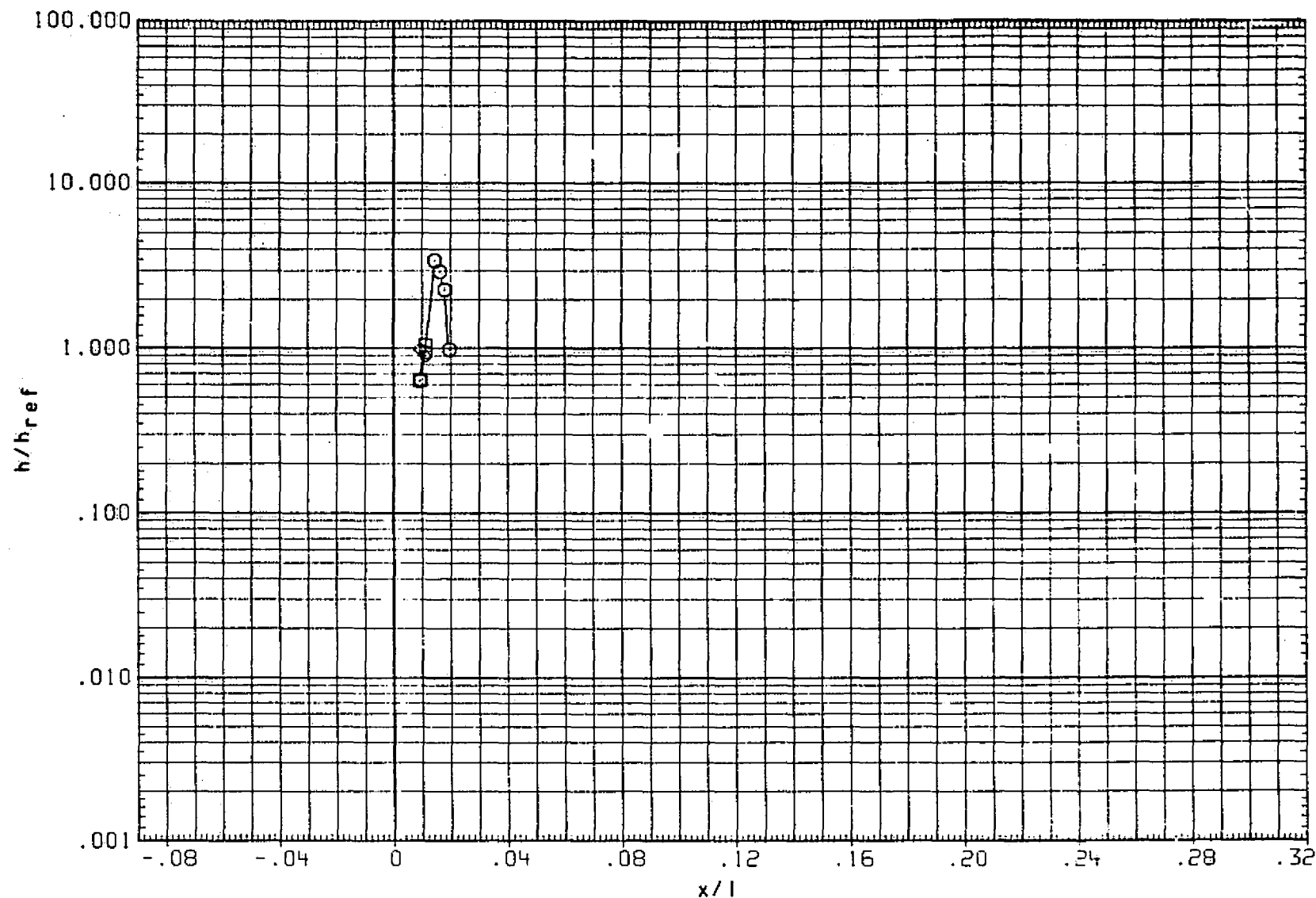


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

PAGE 1019

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNT.29)	5.000	-6.000	5.000

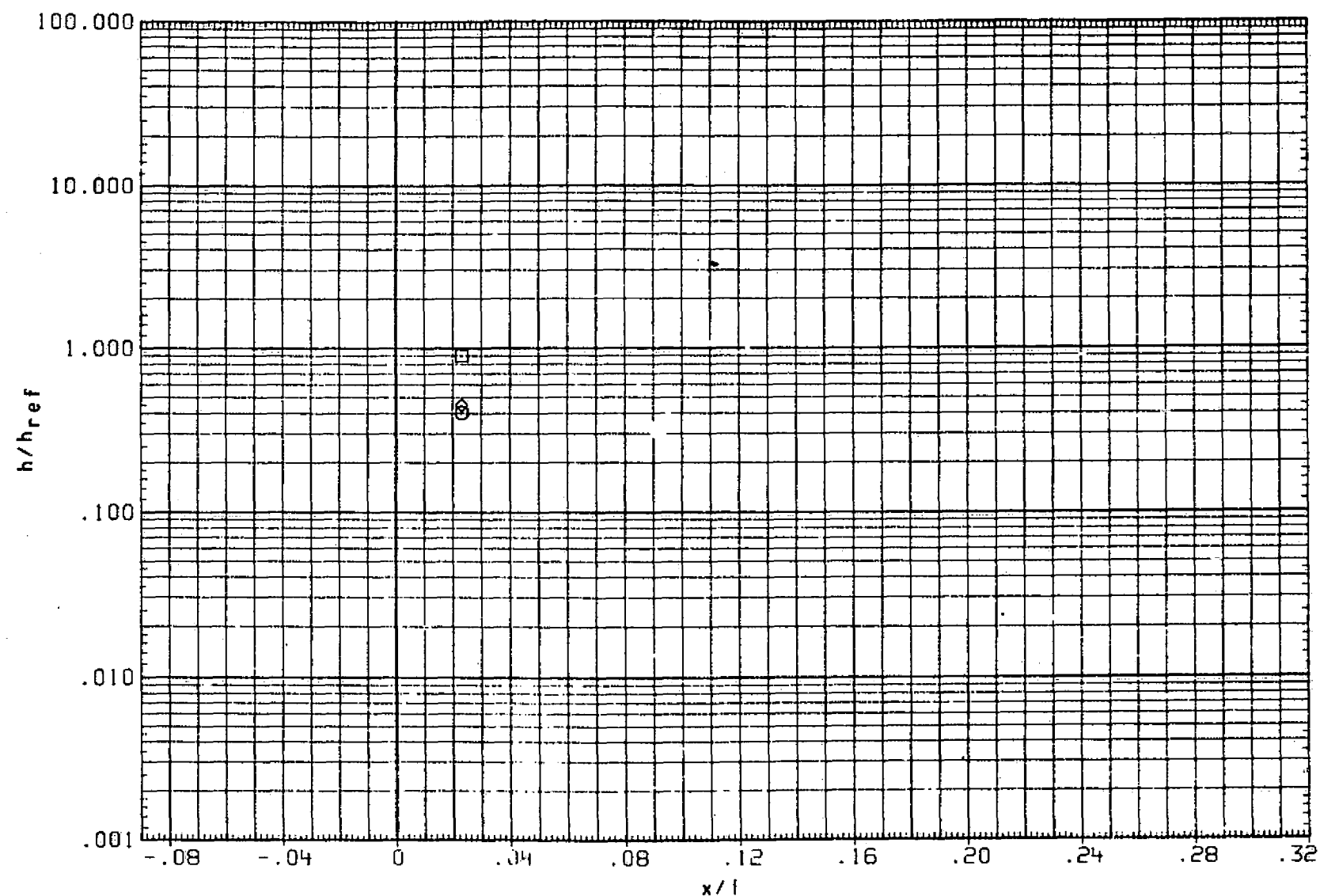


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

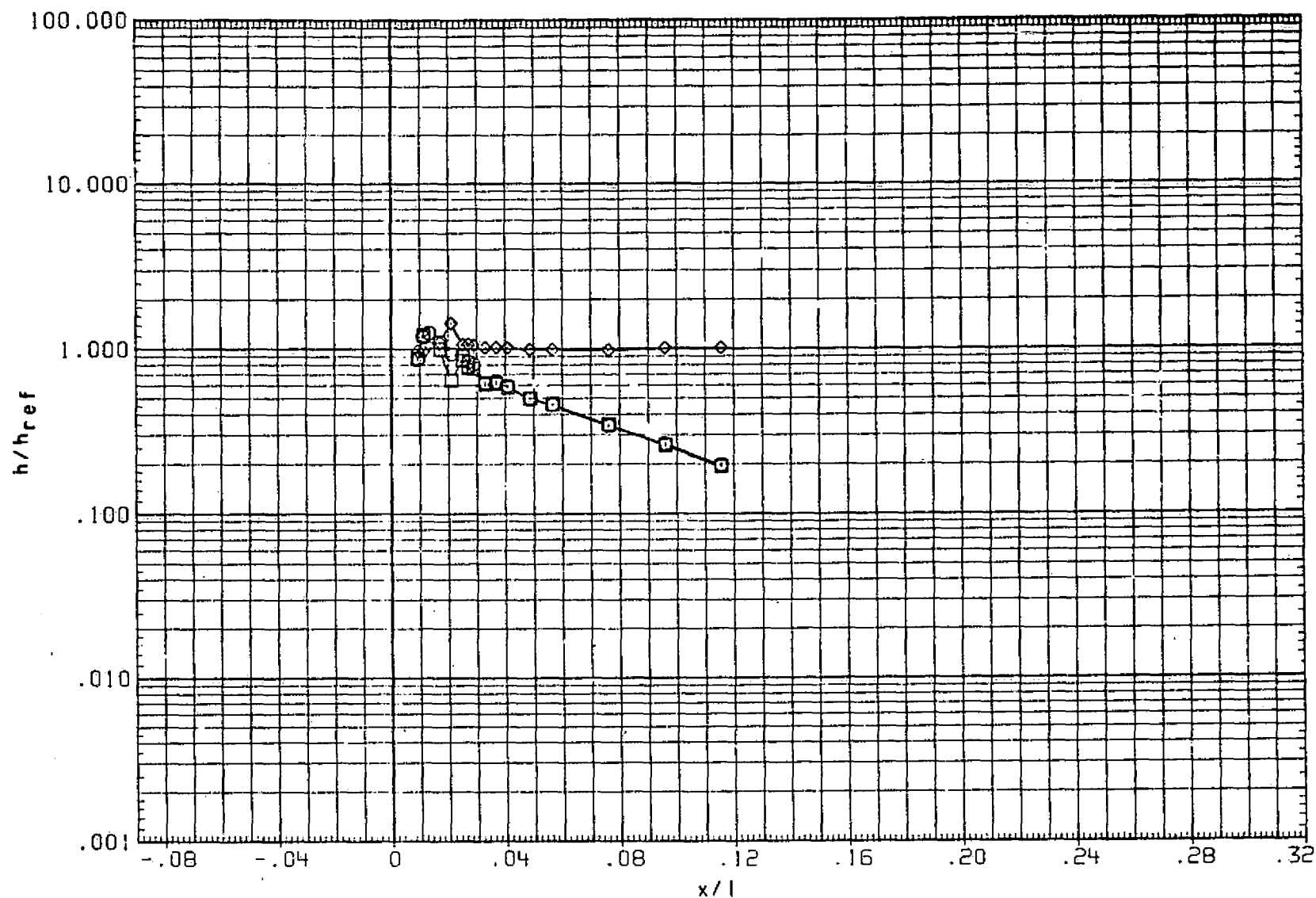


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(RNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

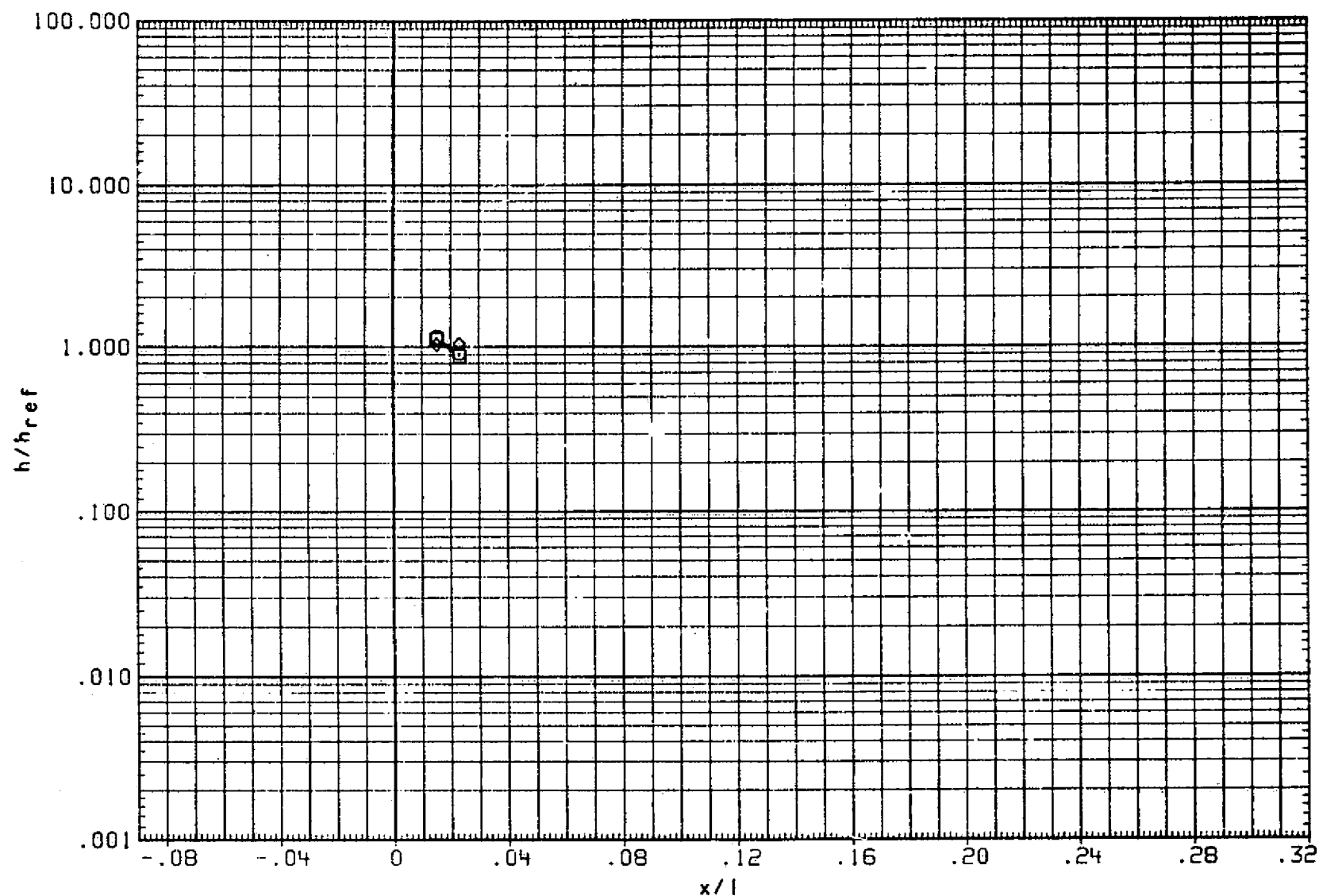


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

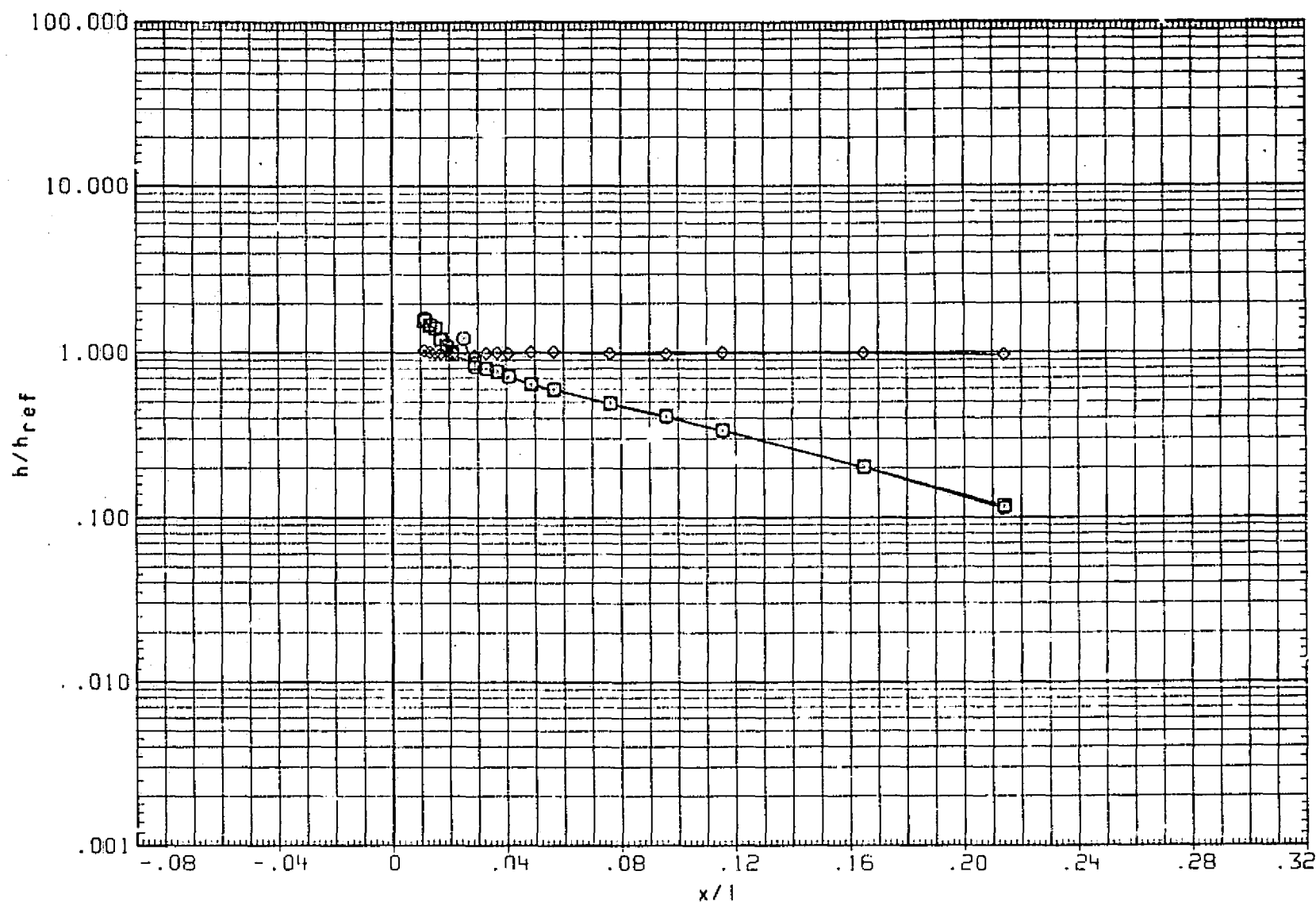


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(RNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

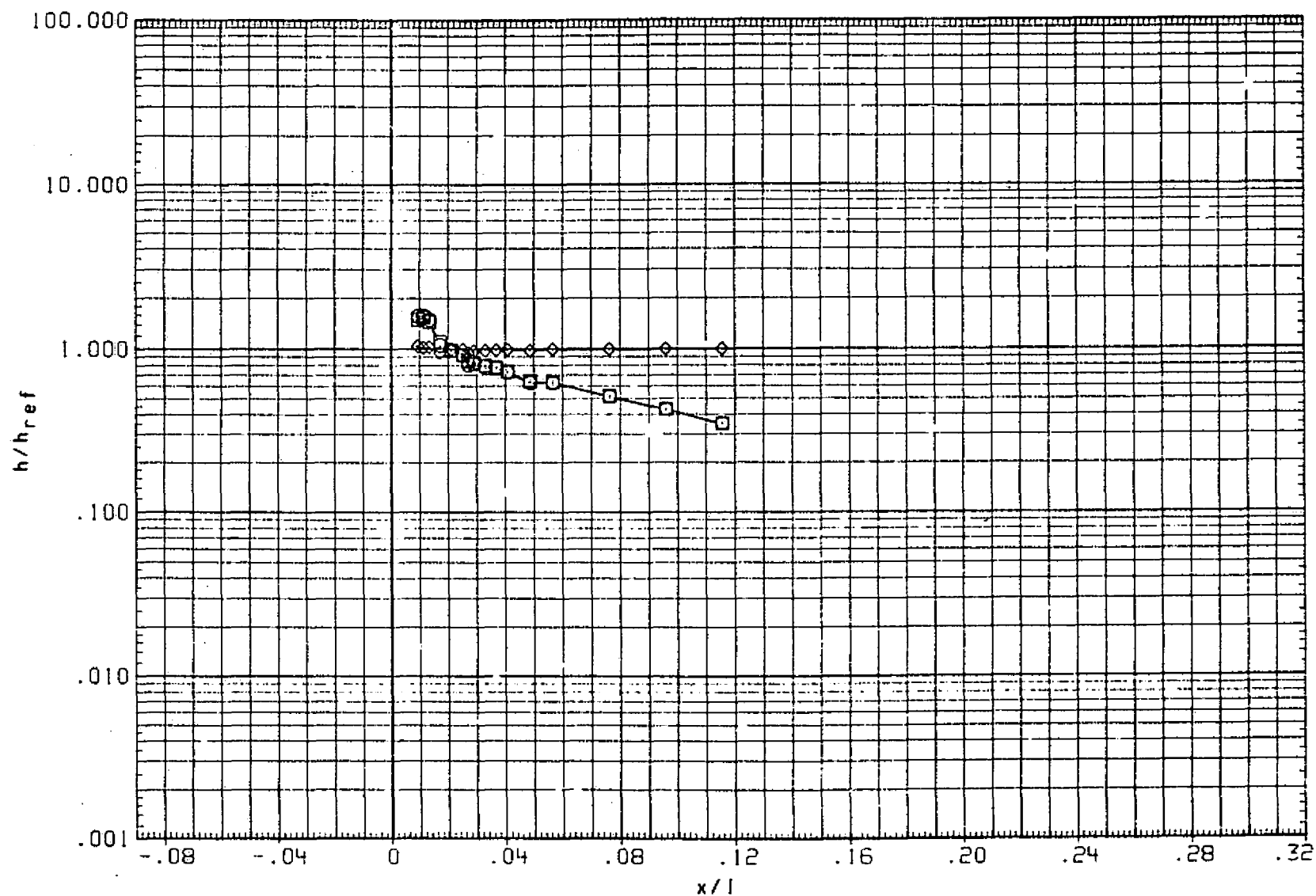


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

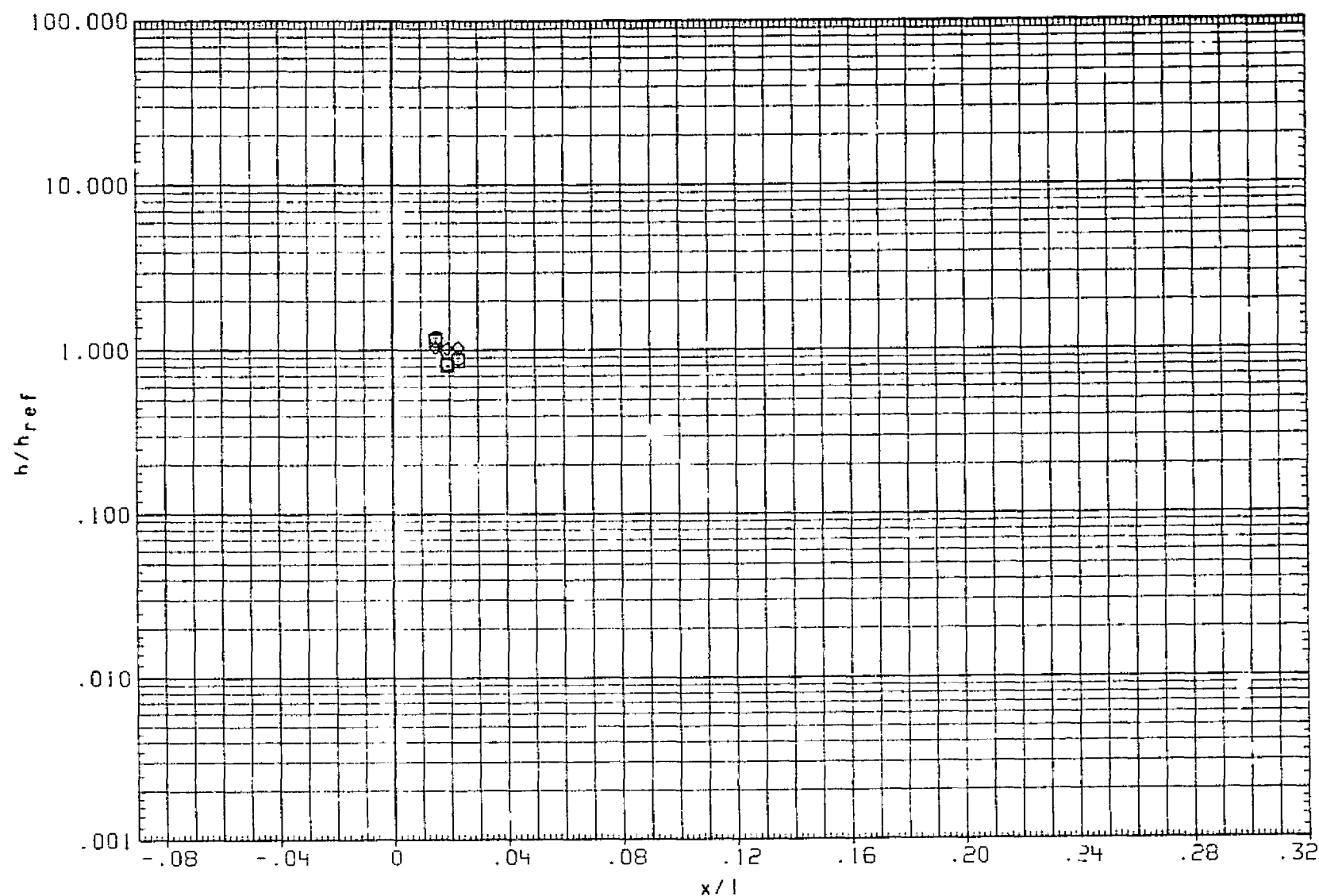


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CCNE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CCNE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

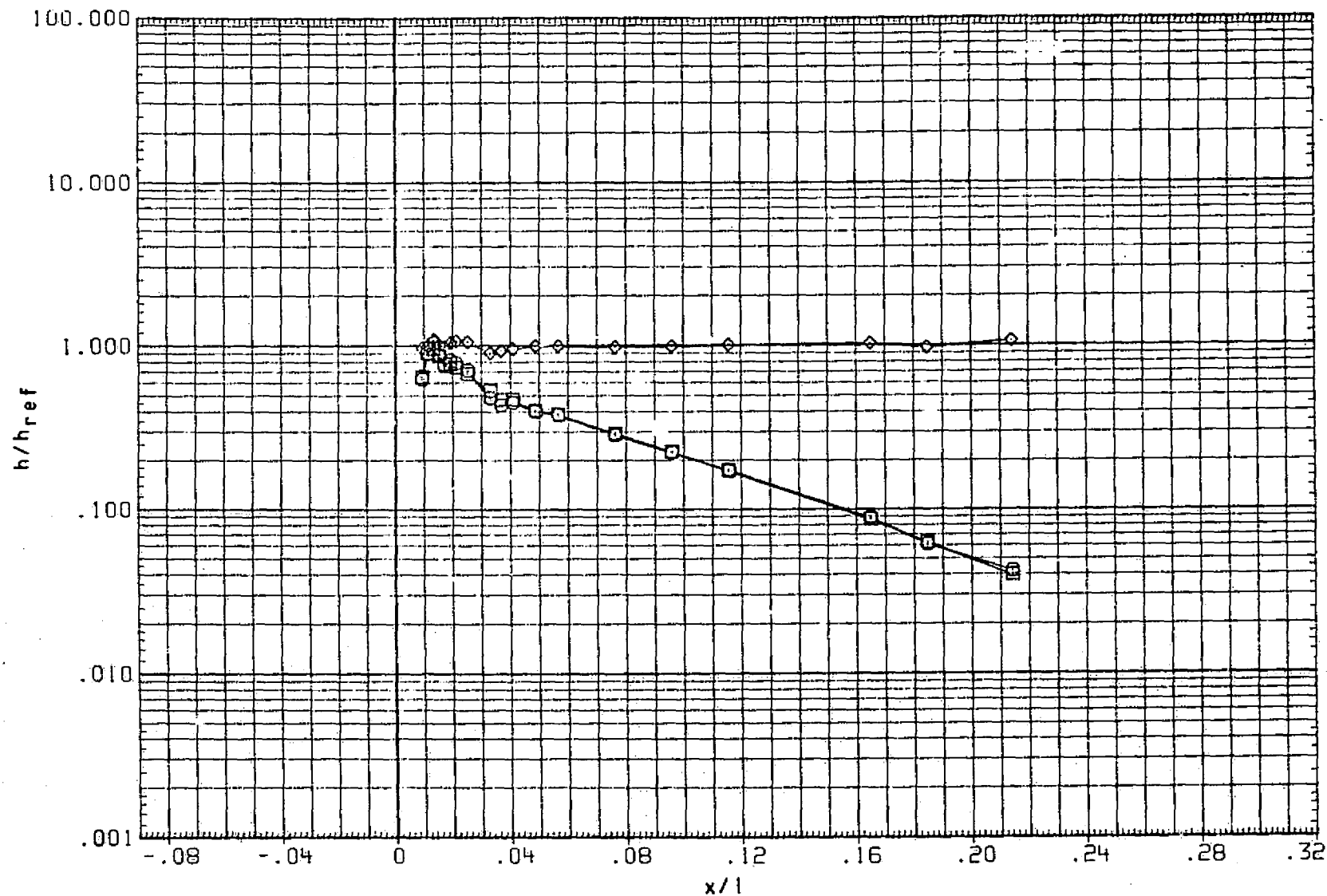


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

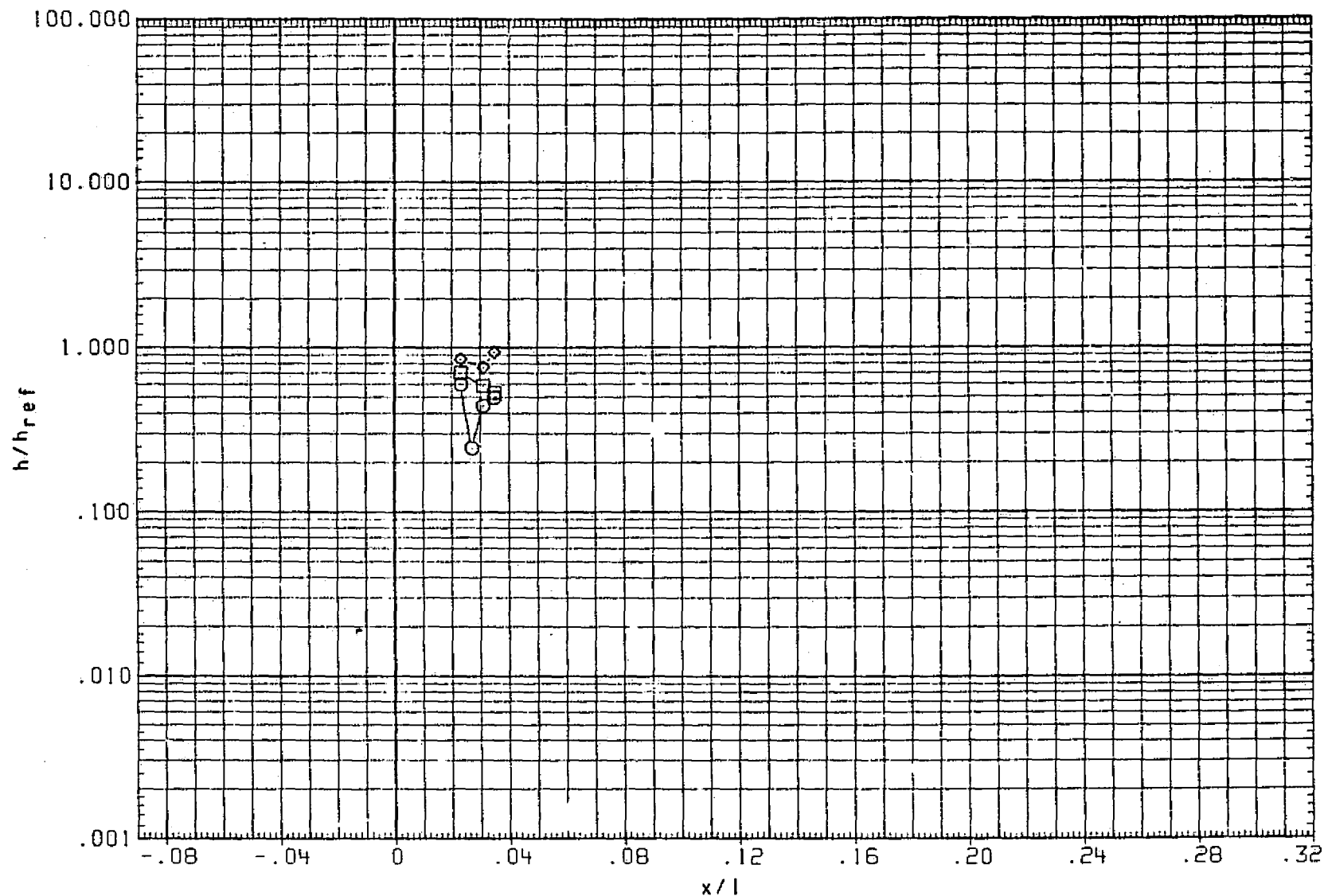


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

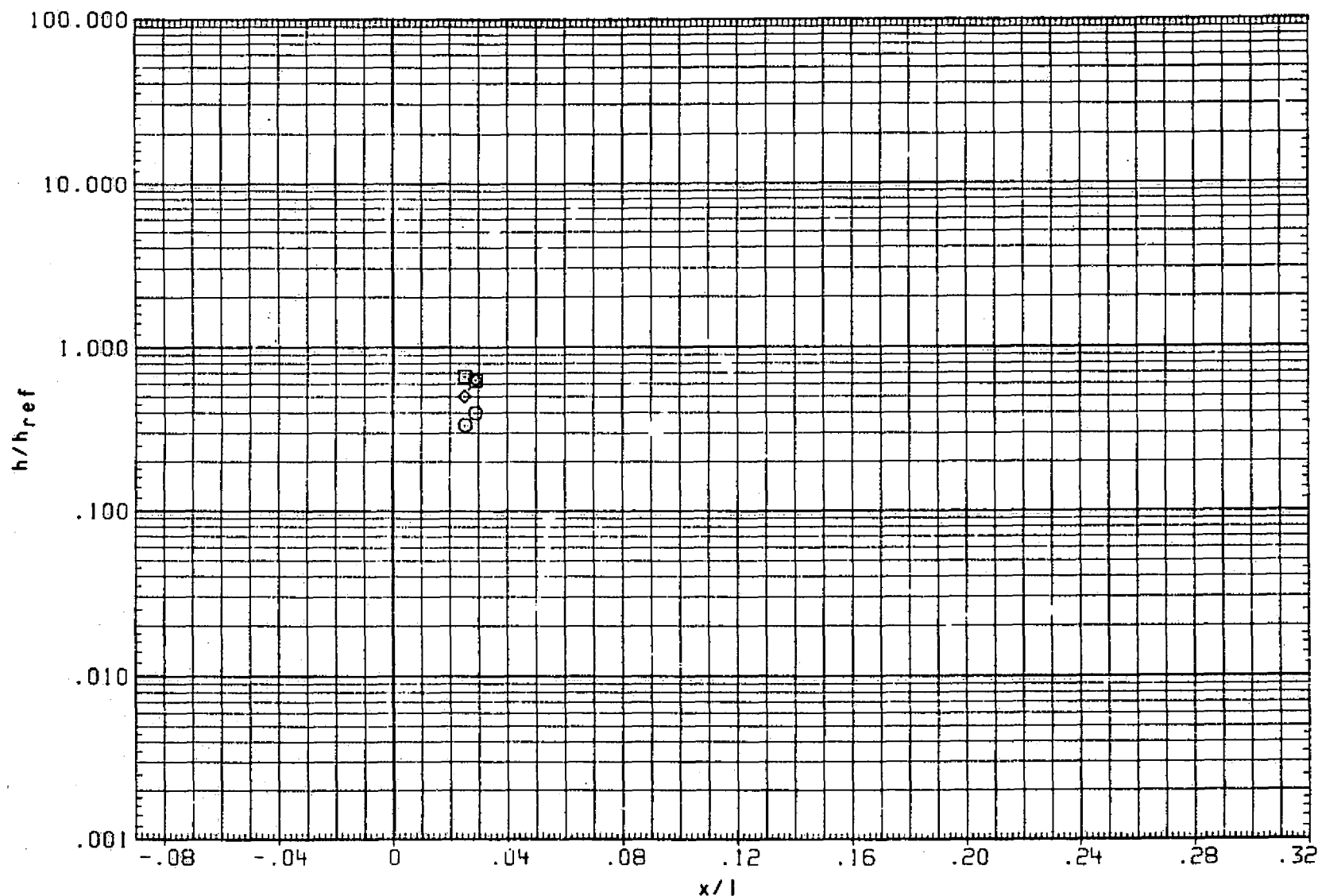


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1028

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

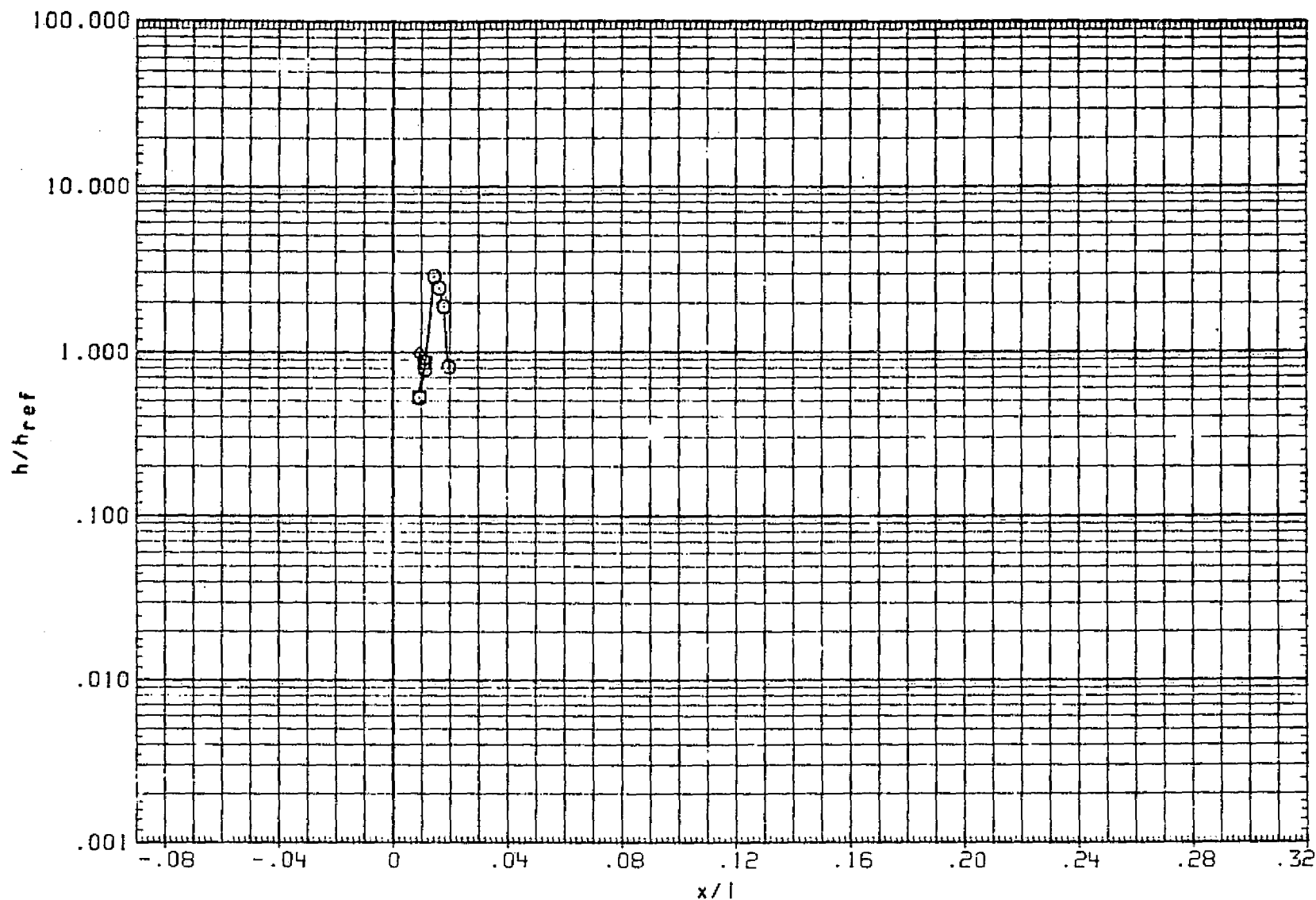


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1029



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE 1CLEAN1	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

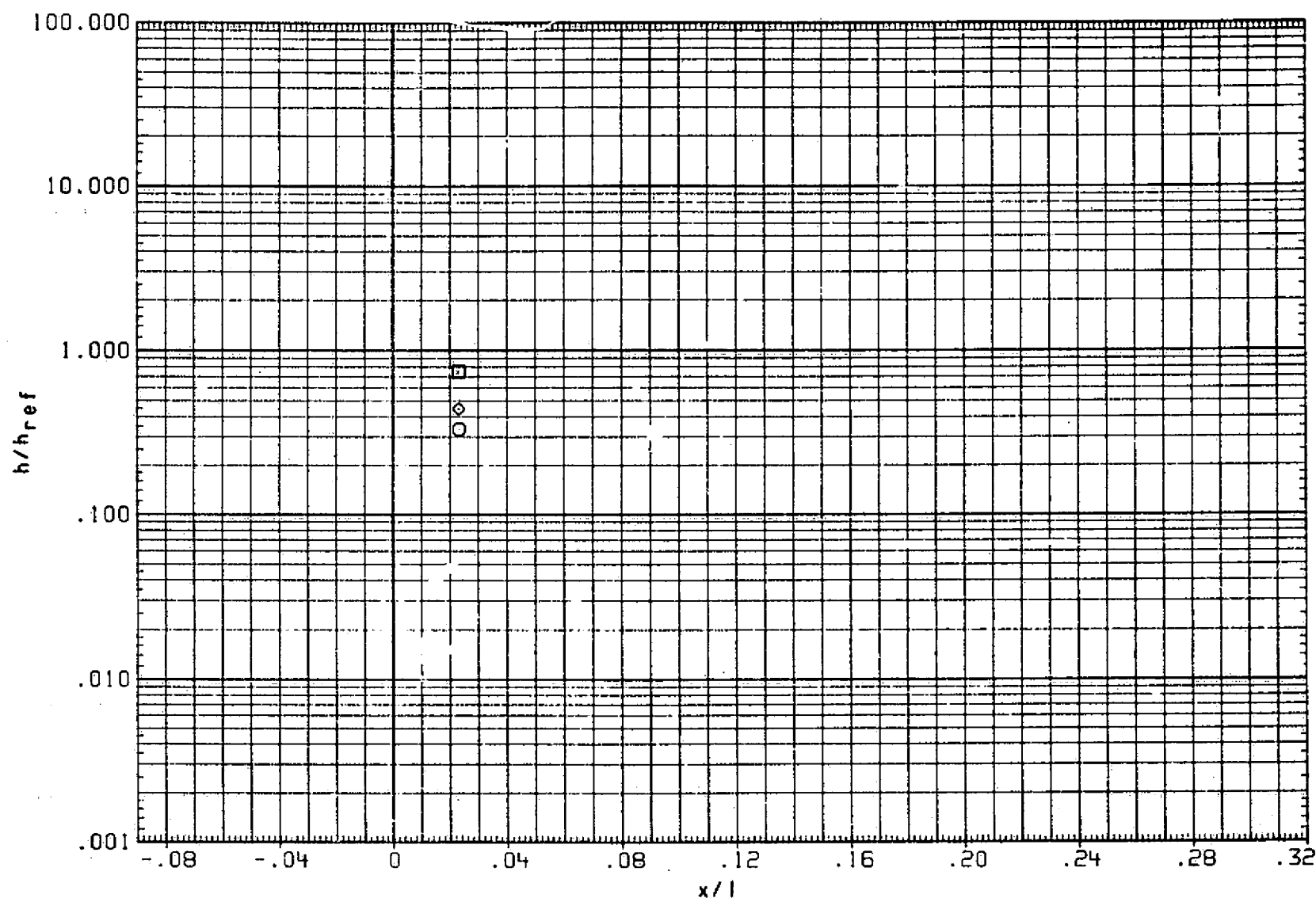


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

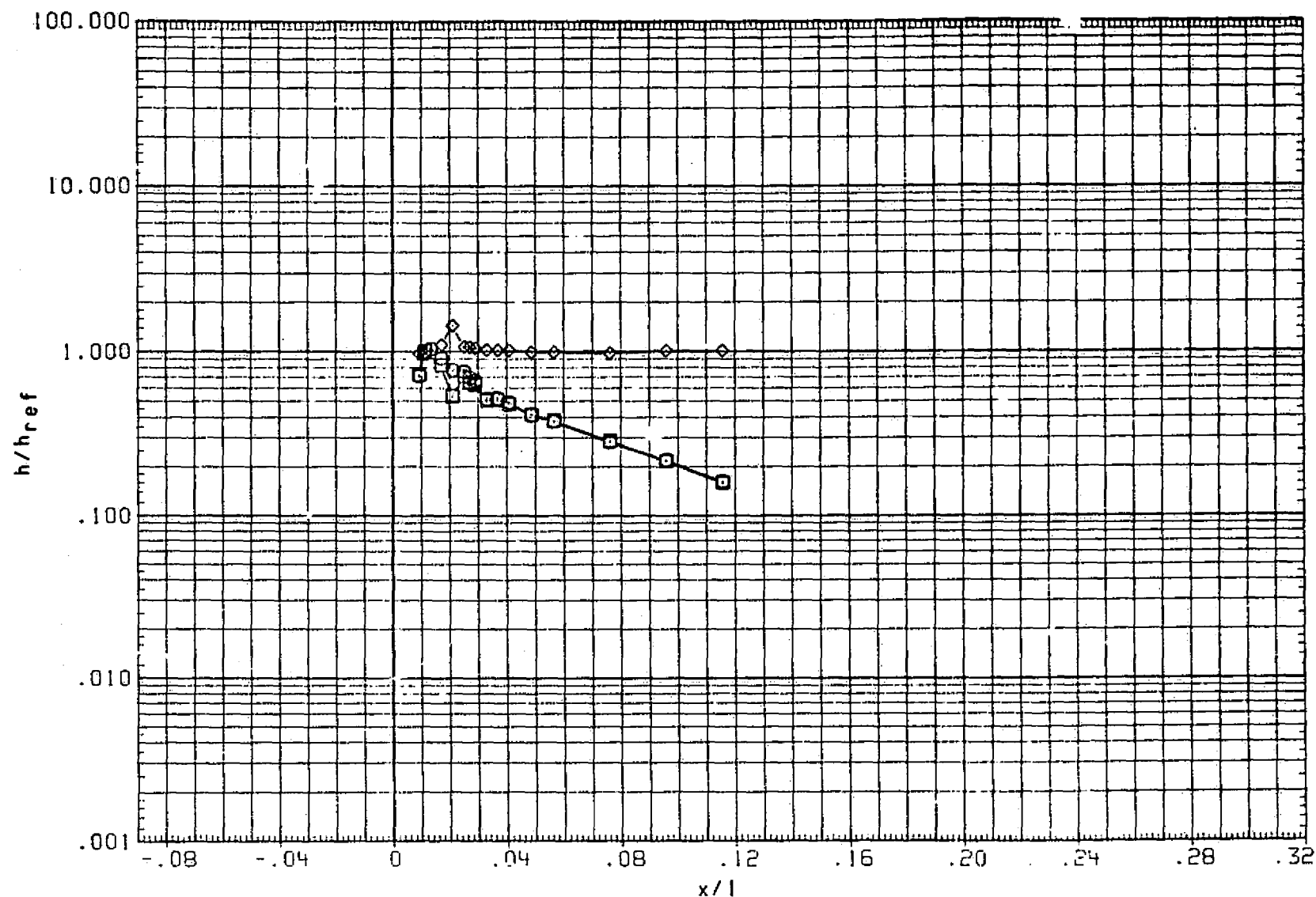


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

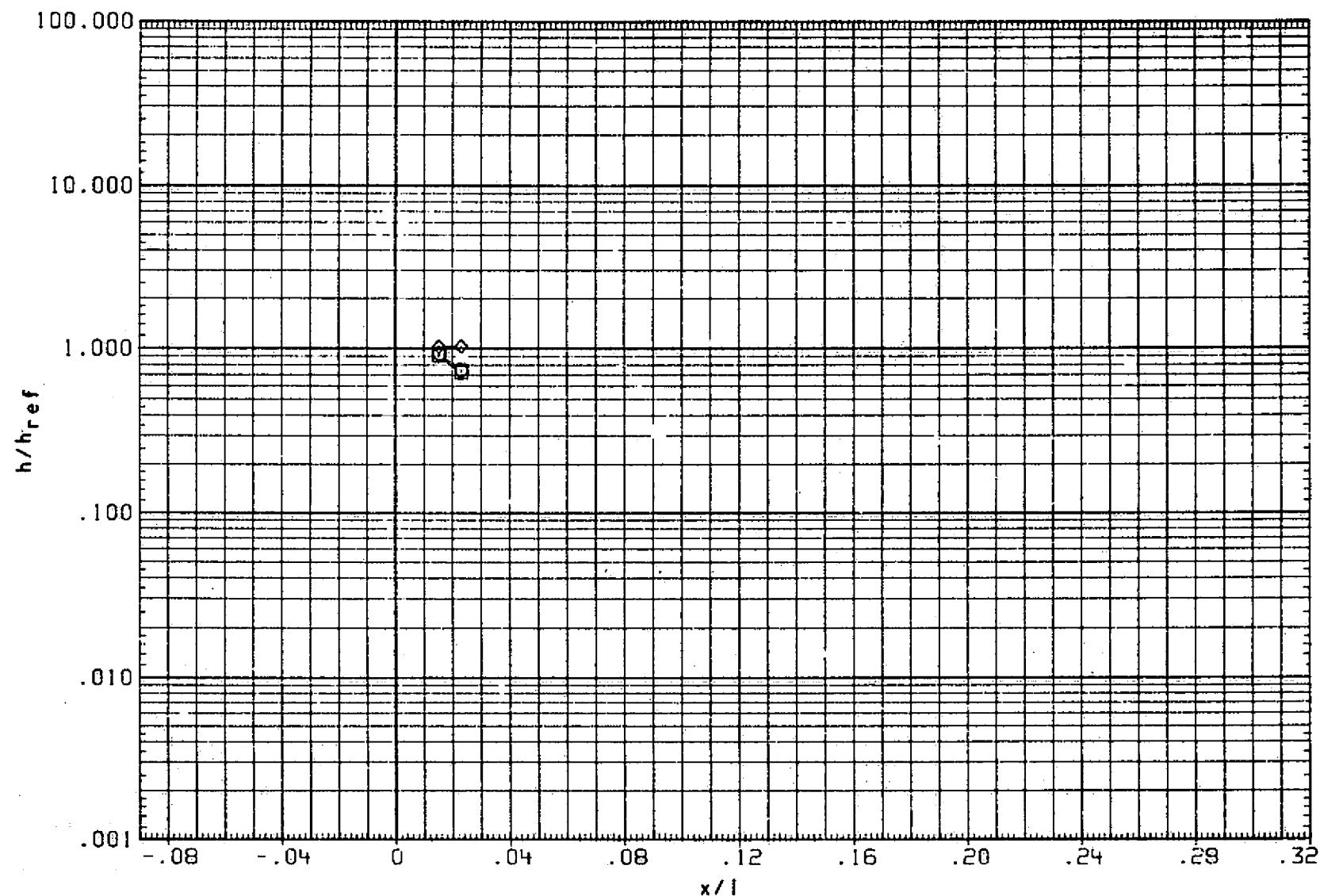


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1032

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

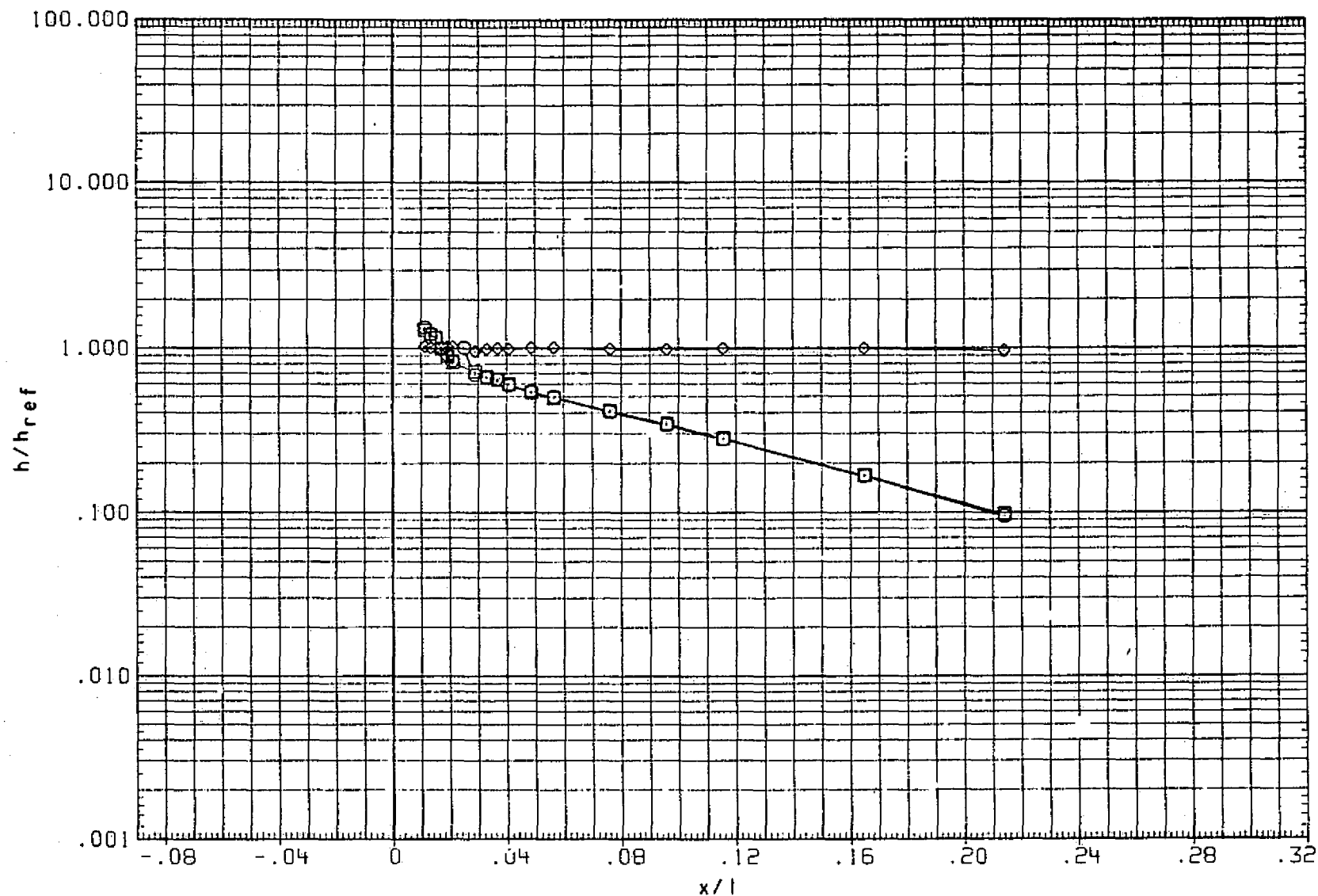


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	5.000	-6.000	5.000
(BNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT29)	5.000	-6.000	5.000

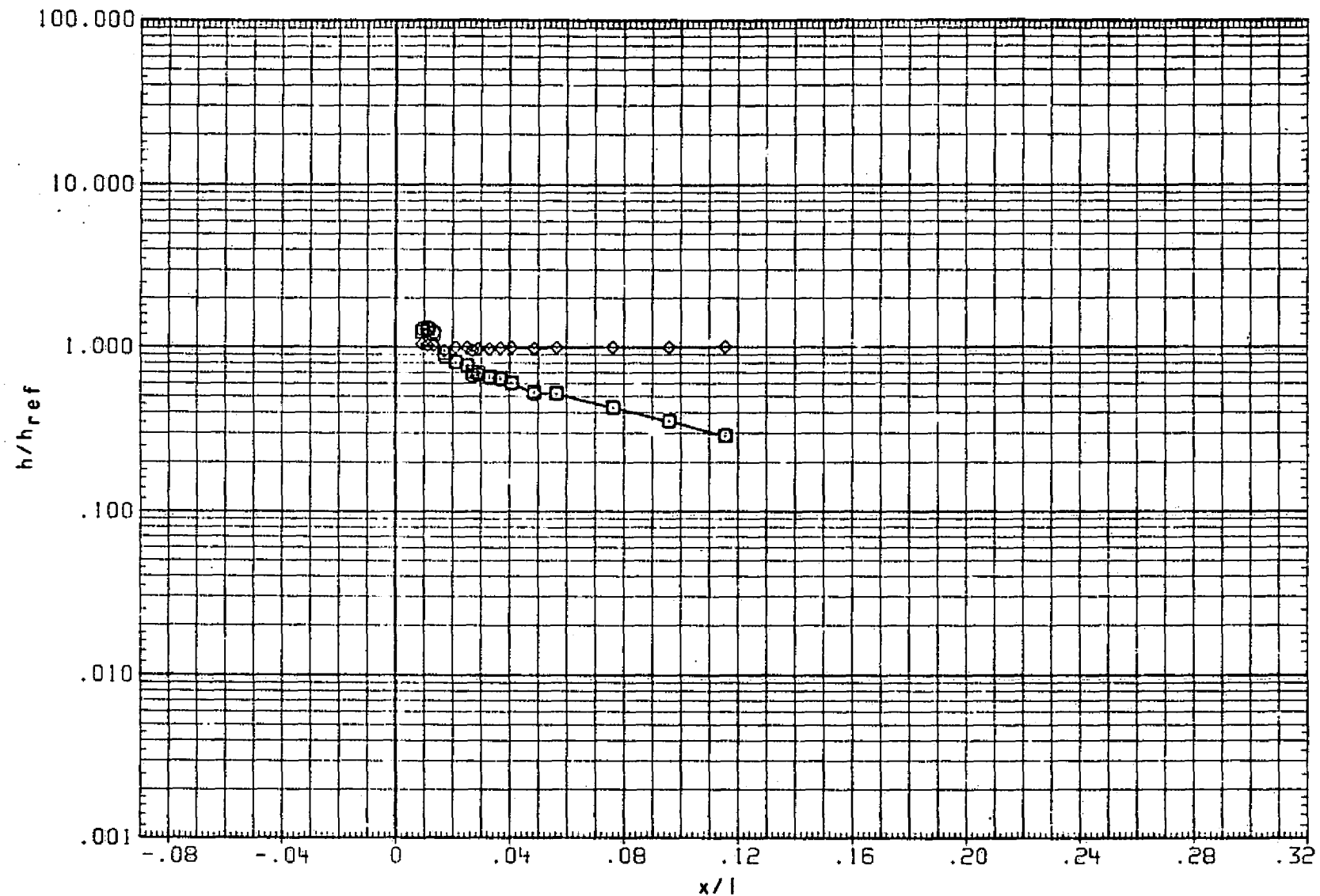


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1034

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT29)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(RNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT29)

ALPHA	BETA	RN/L
5.000	-6.000	5.000
5.000	-6.000	5.000
5.000	-6.000	5.000

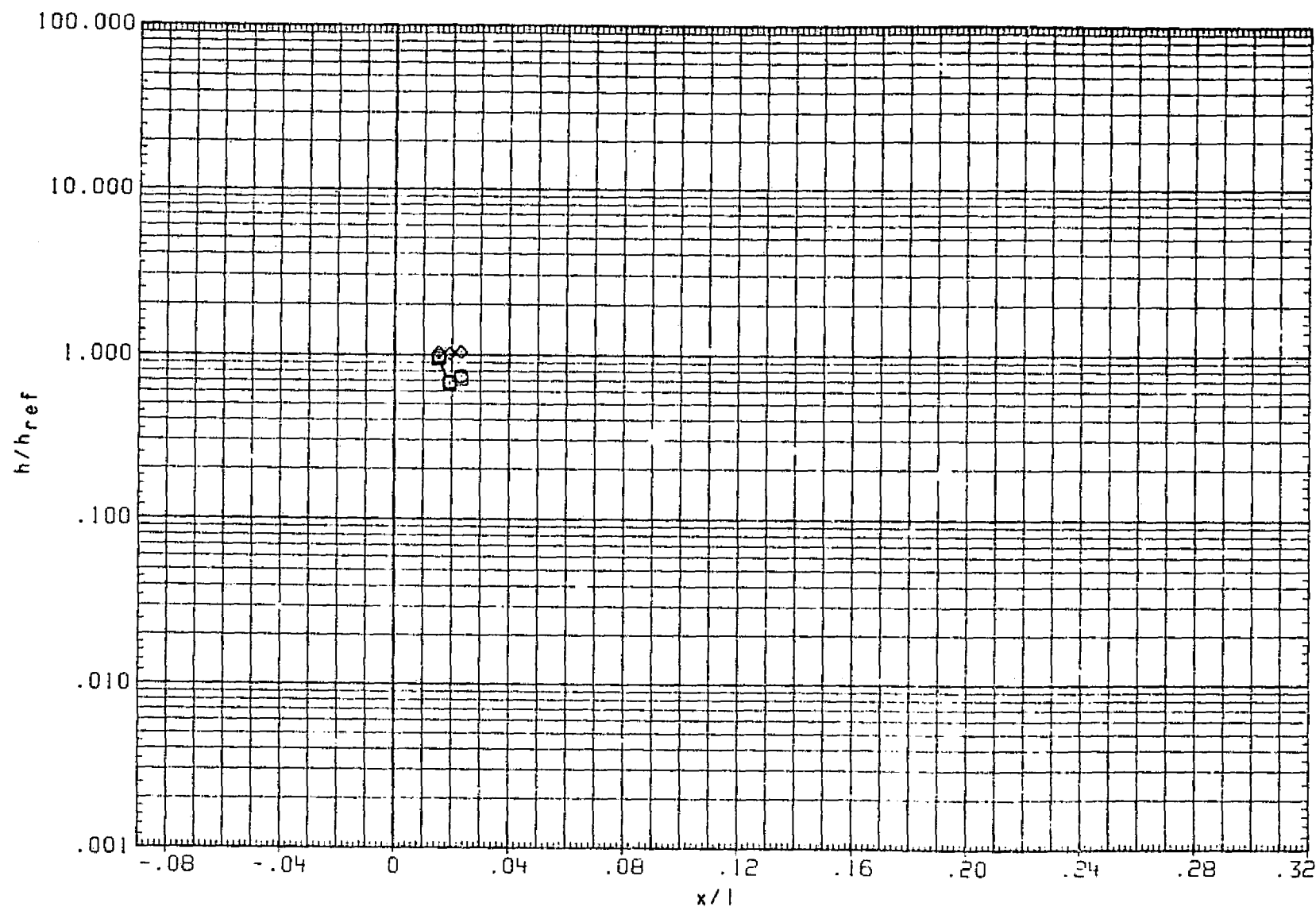


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT151	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
IRNTT301	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
IRNTT151	◇	ARC3.5-215(FH14) HI/HU (IRNTT15/RNTT30)	10.000	-6.000	5.000

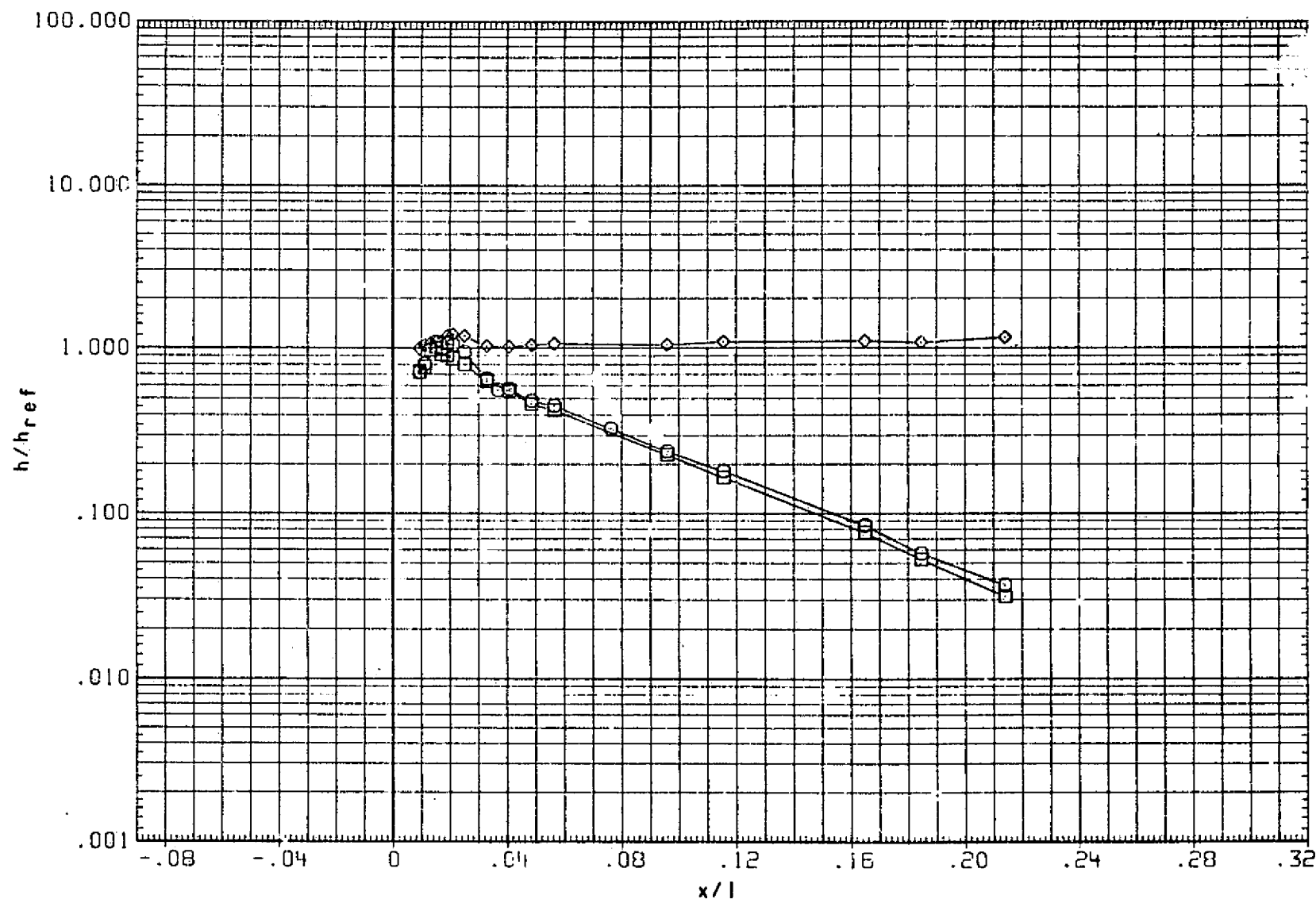


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14110/40 CONE/OGIVE ET NOSE*PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14110/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH141 HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

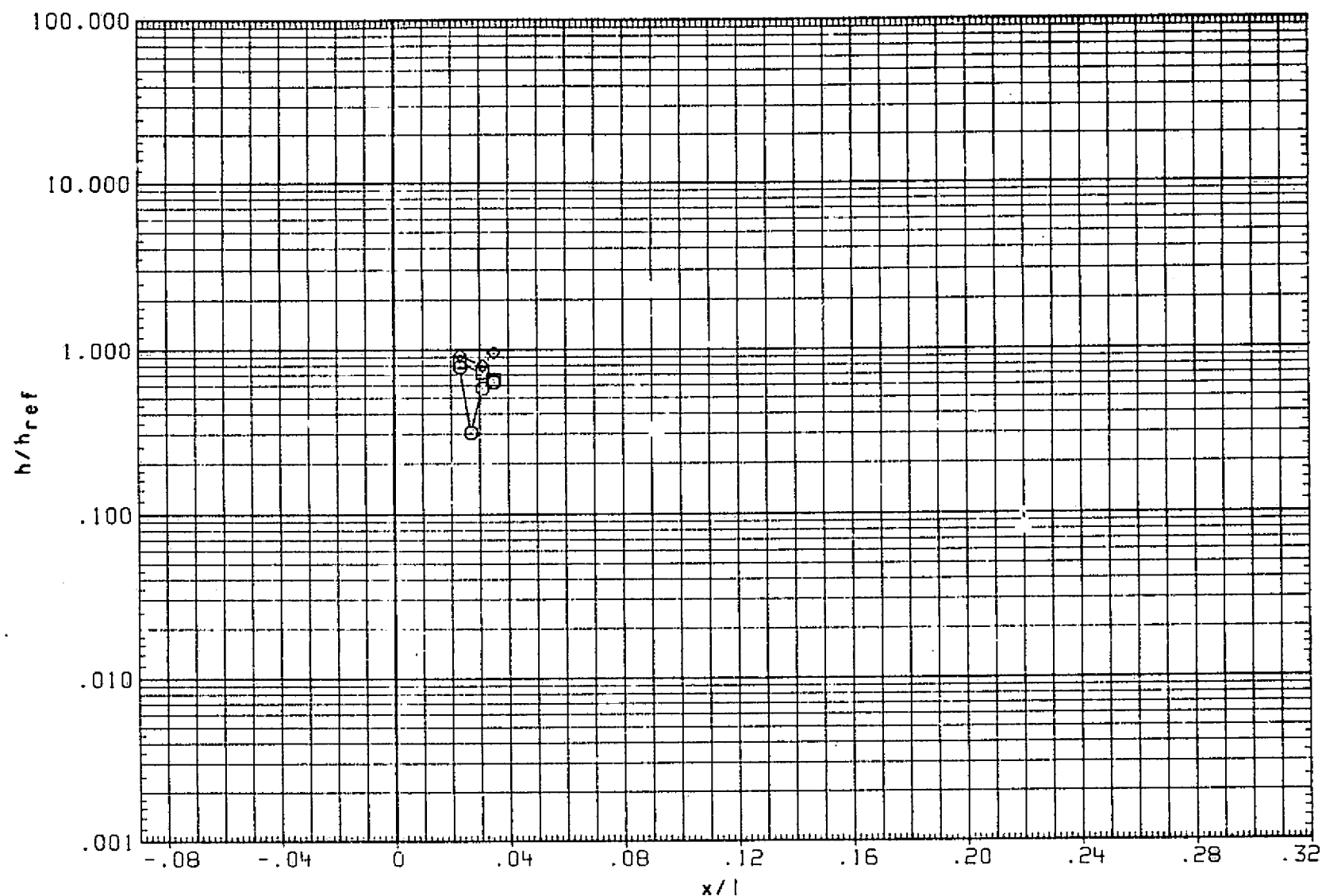


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

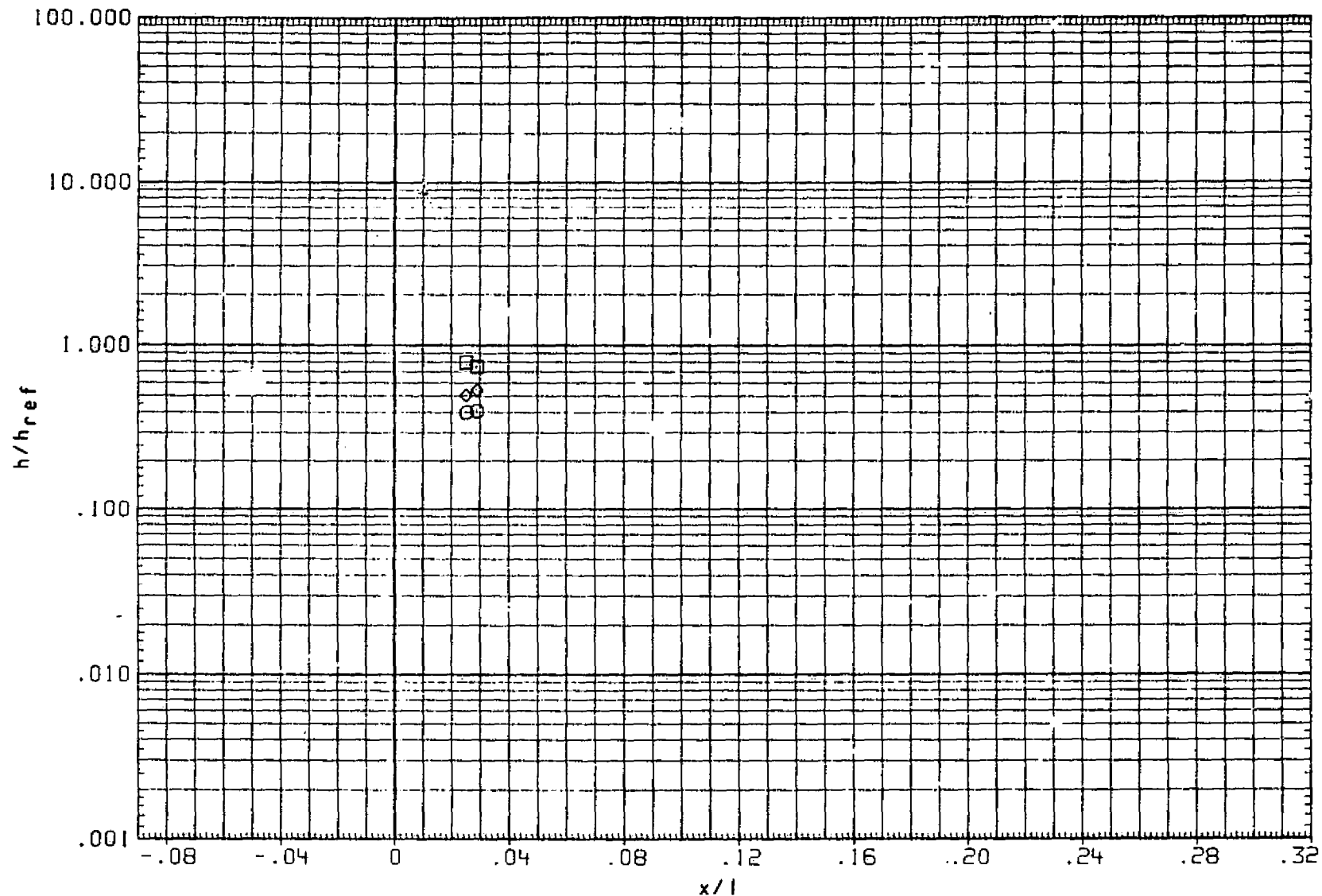


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

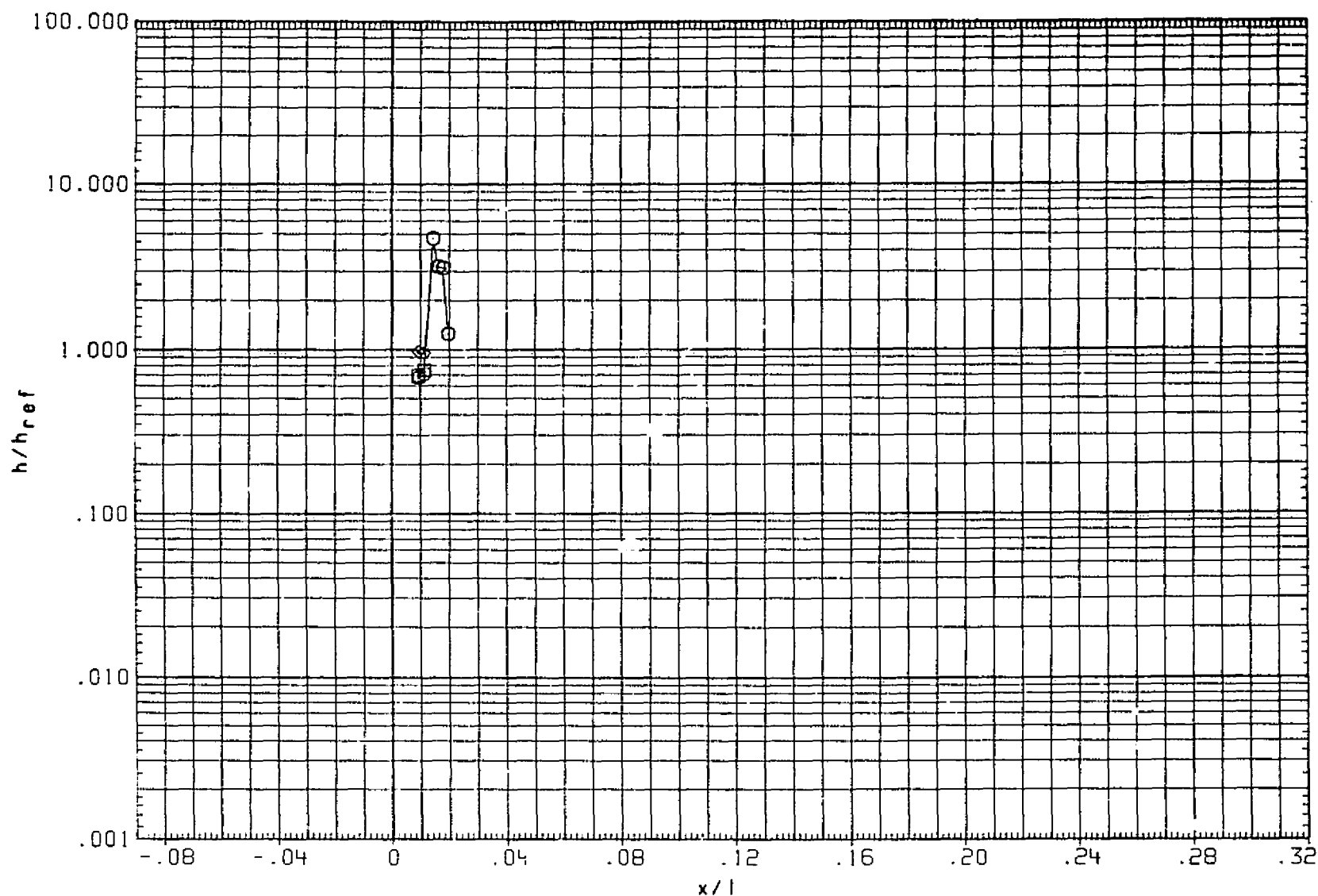


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

PAGE 1039

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

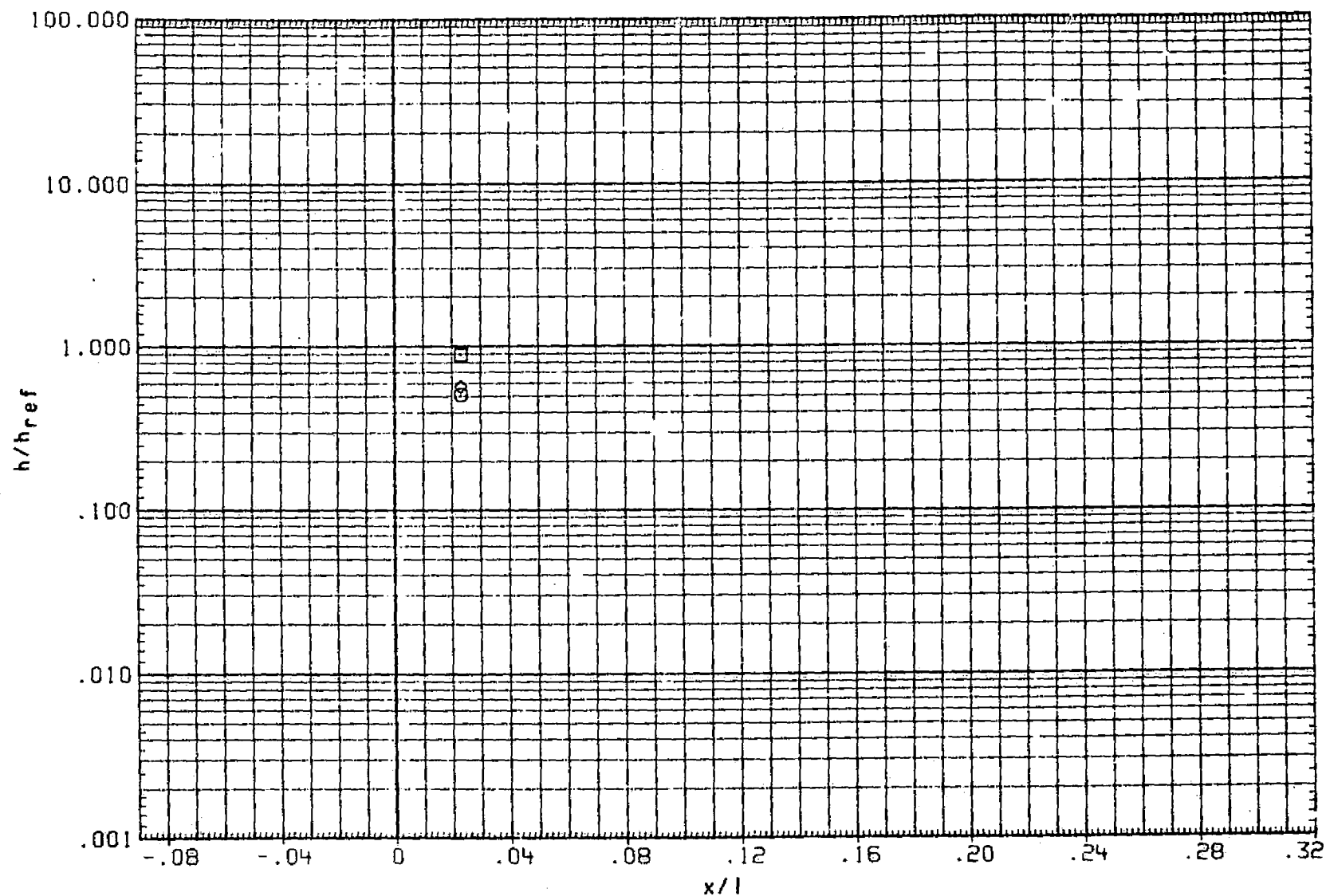


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE*PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNT1301)	10.000	-6.000	5.000

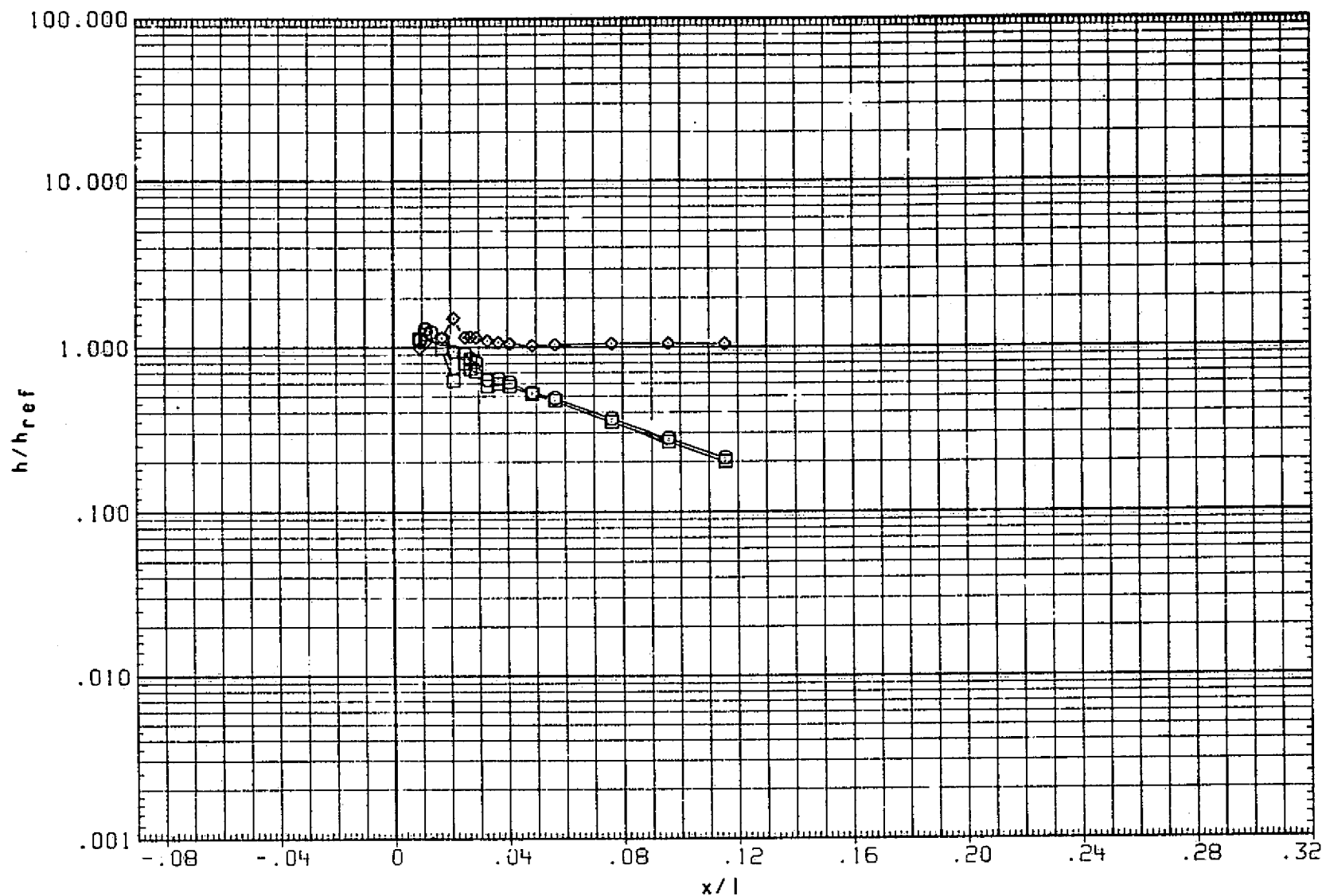


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	◇	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

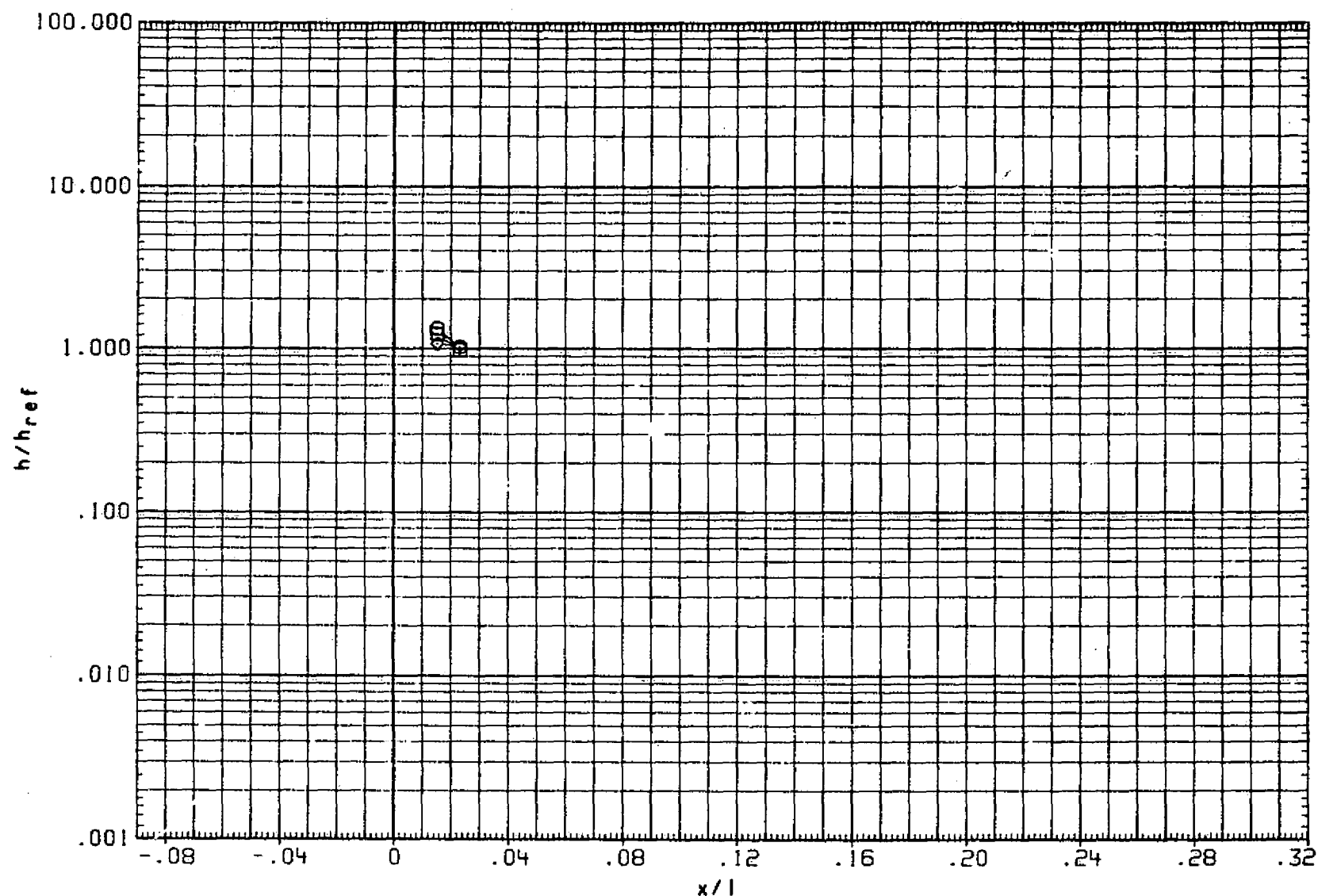


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1042

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

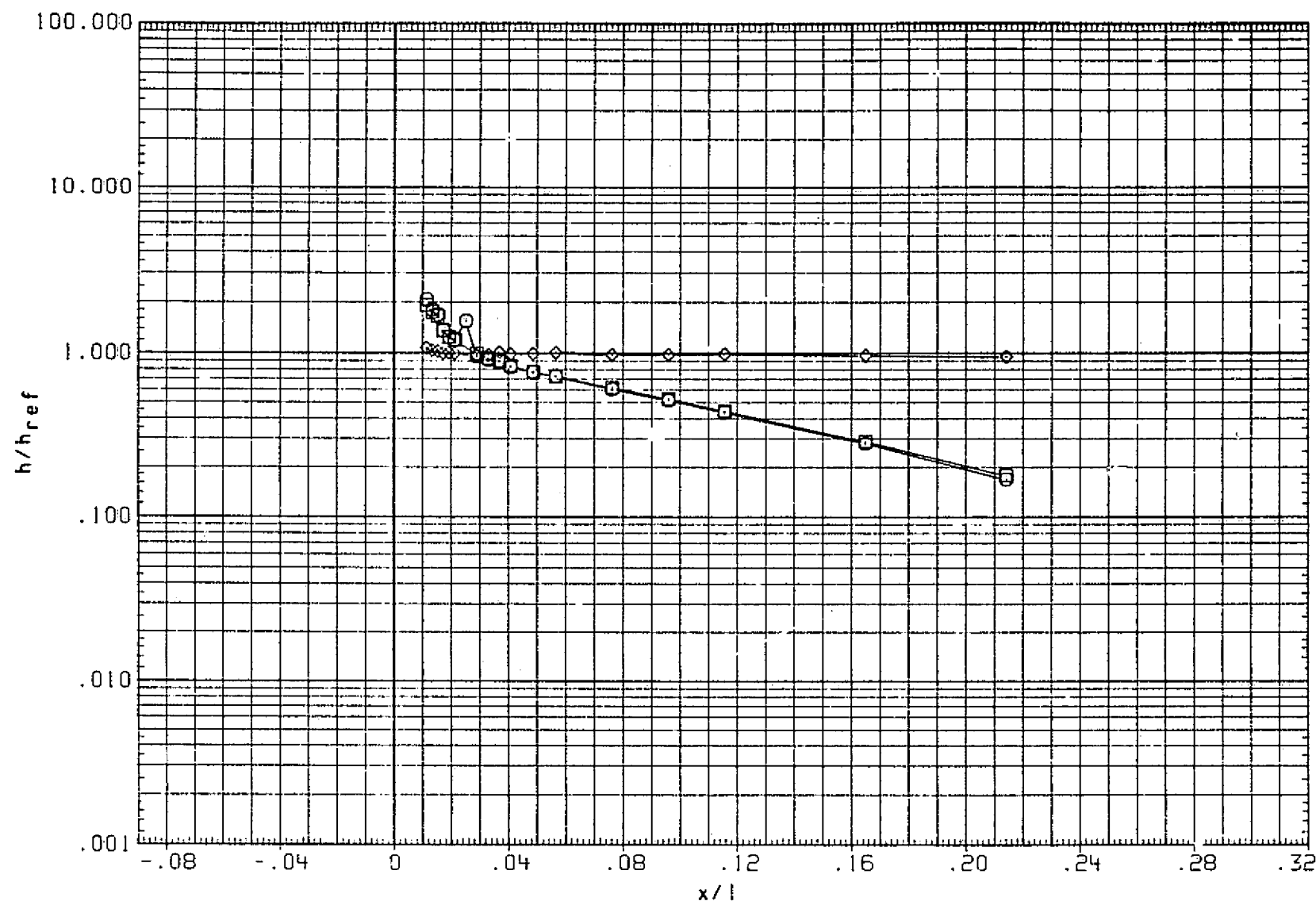


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

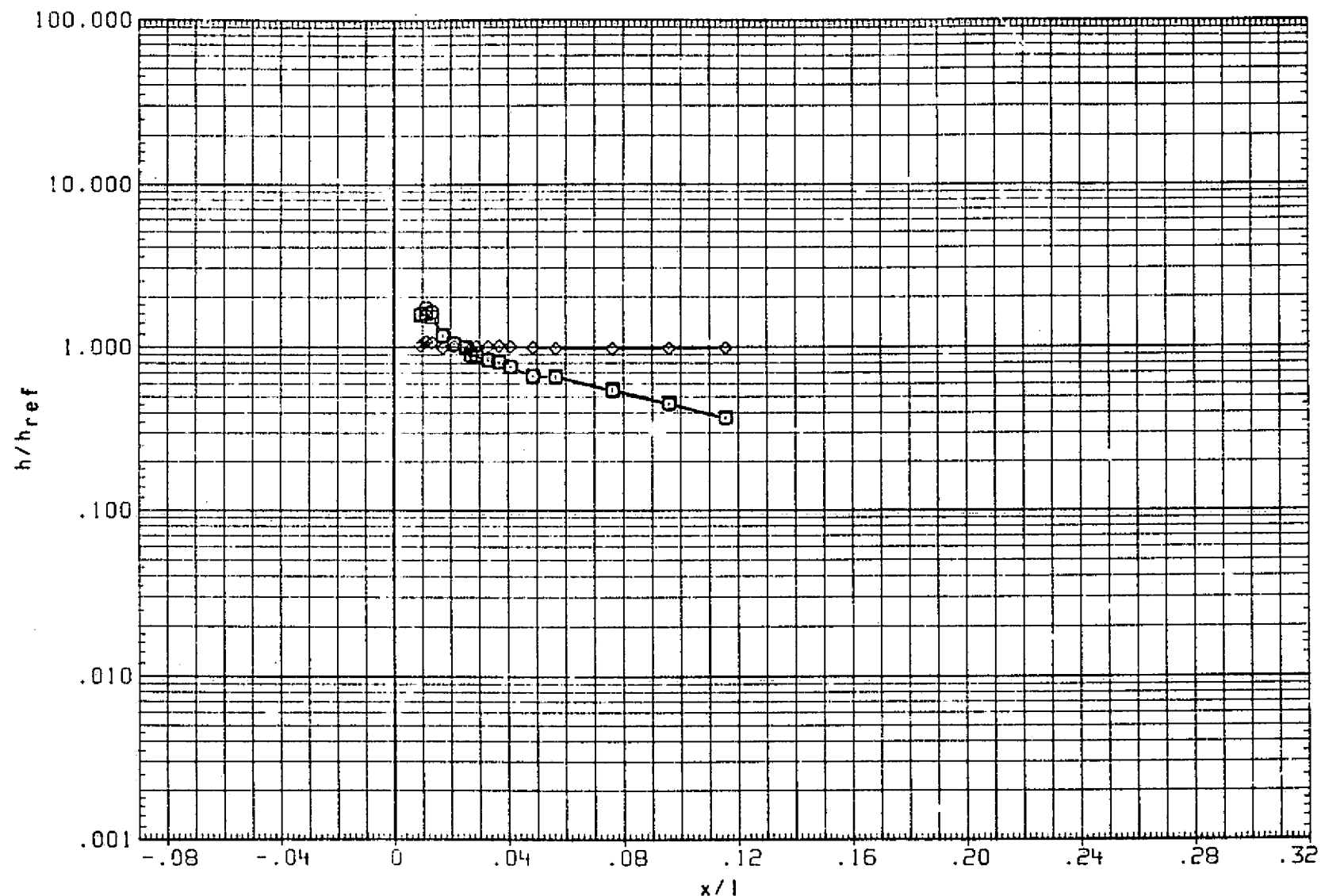


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

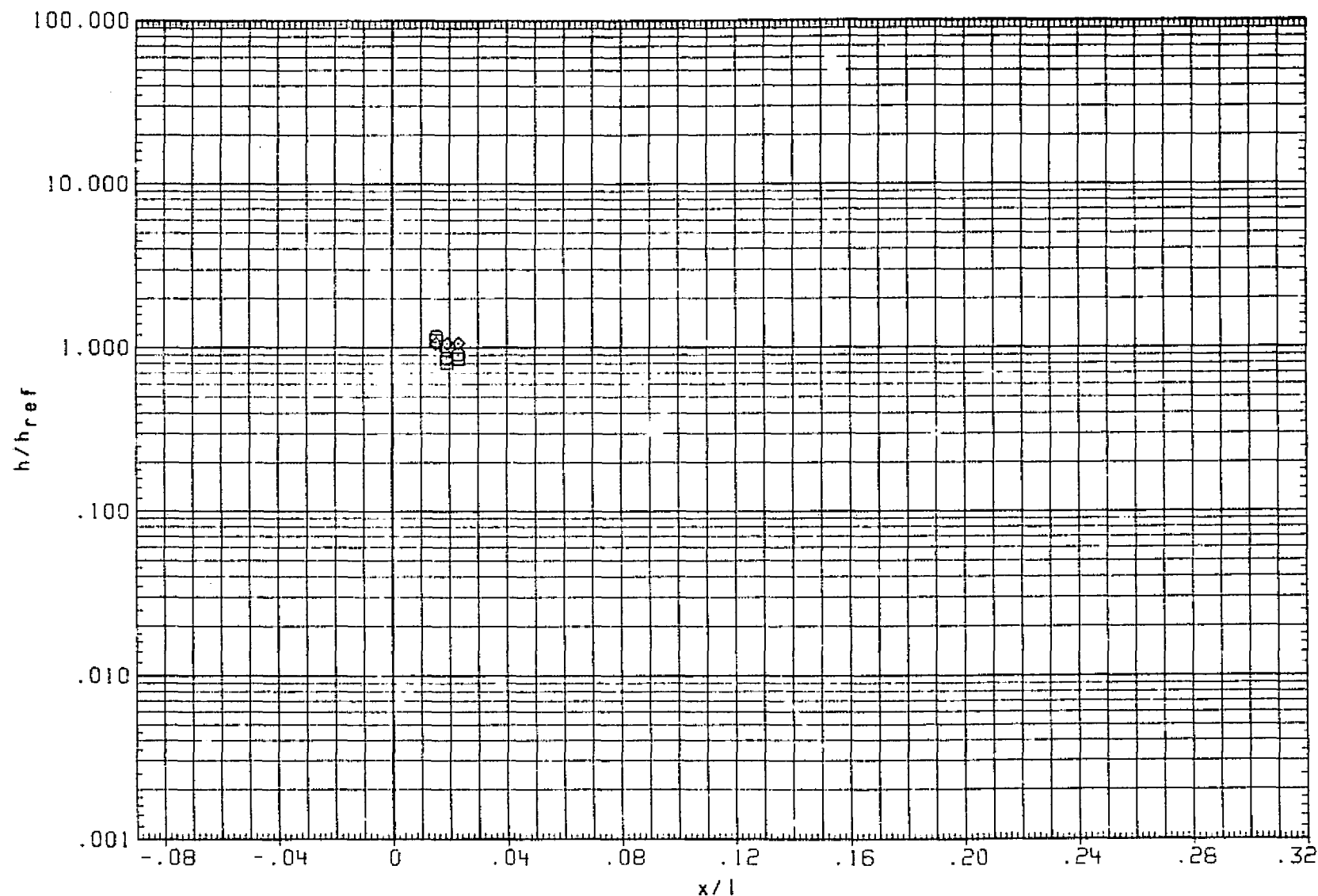


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

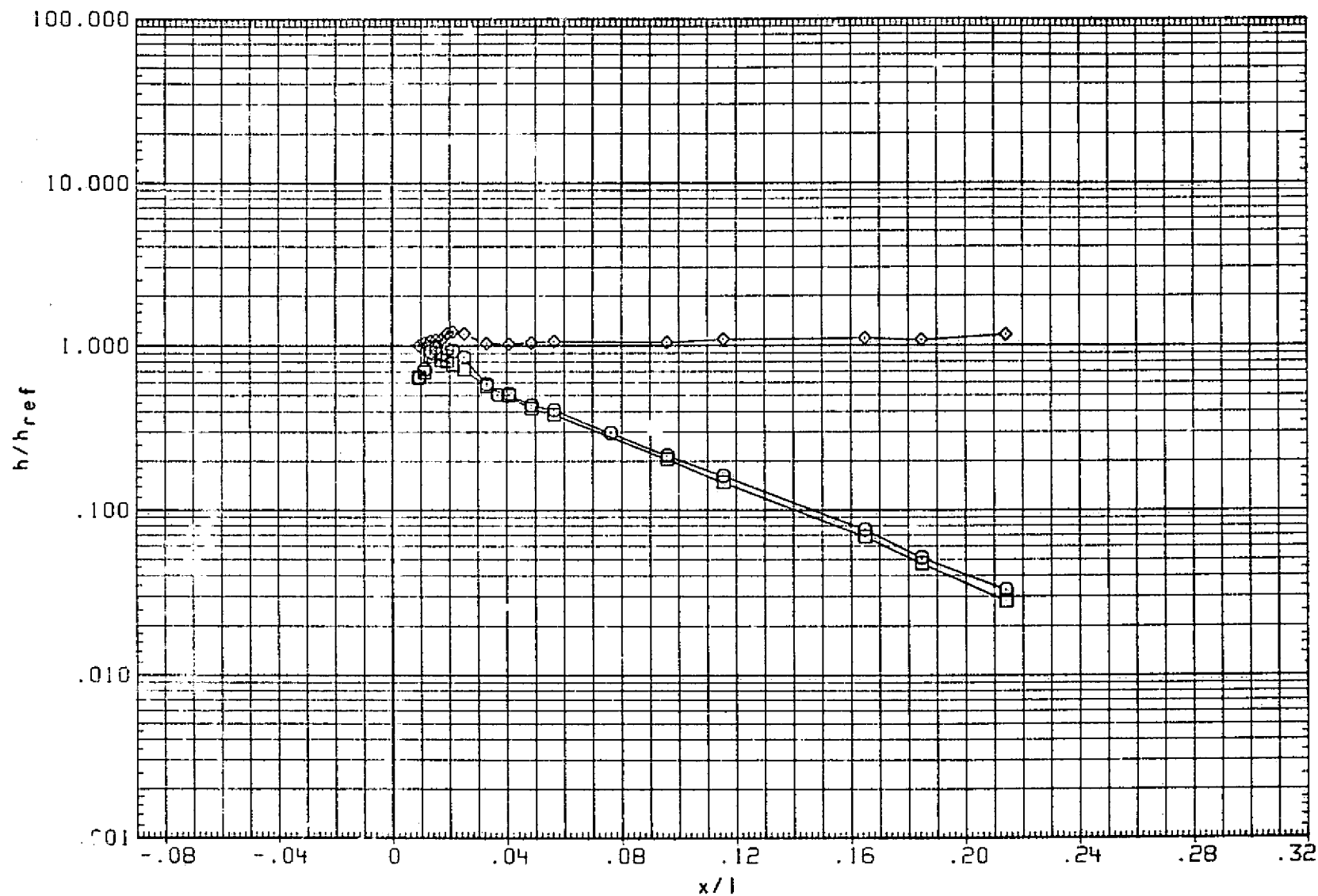


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

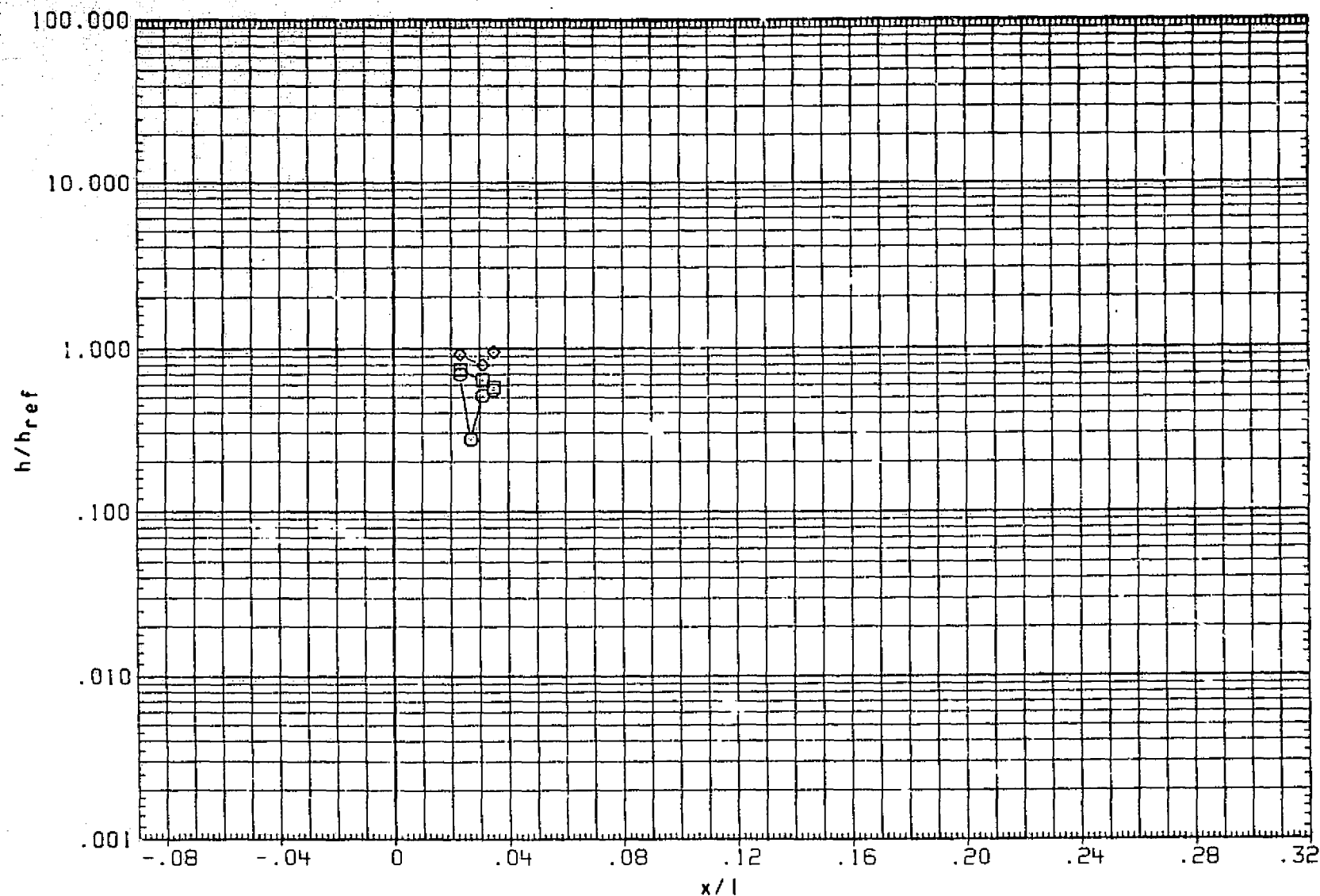


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

PAGE 1047

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.030	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

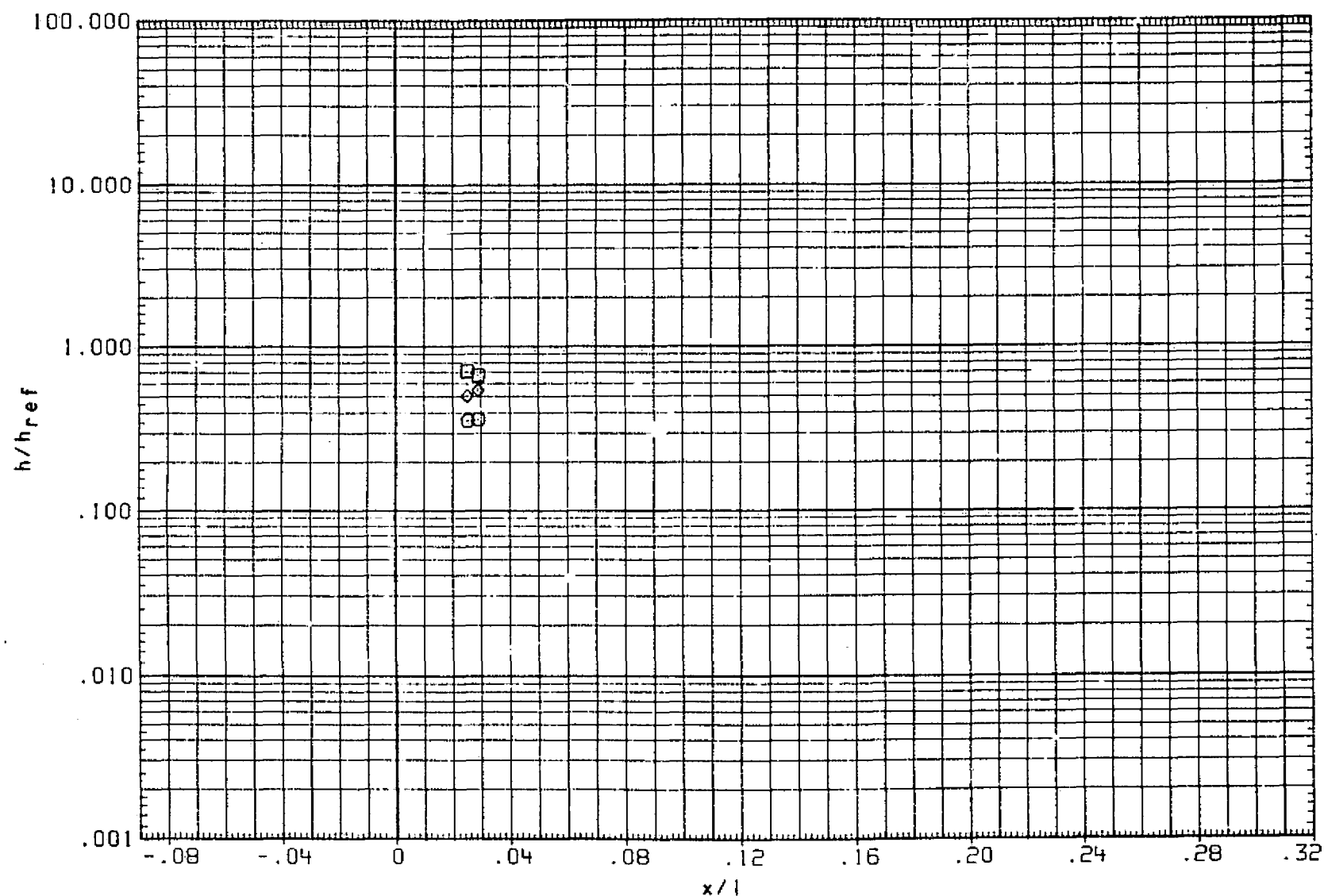


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1048

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

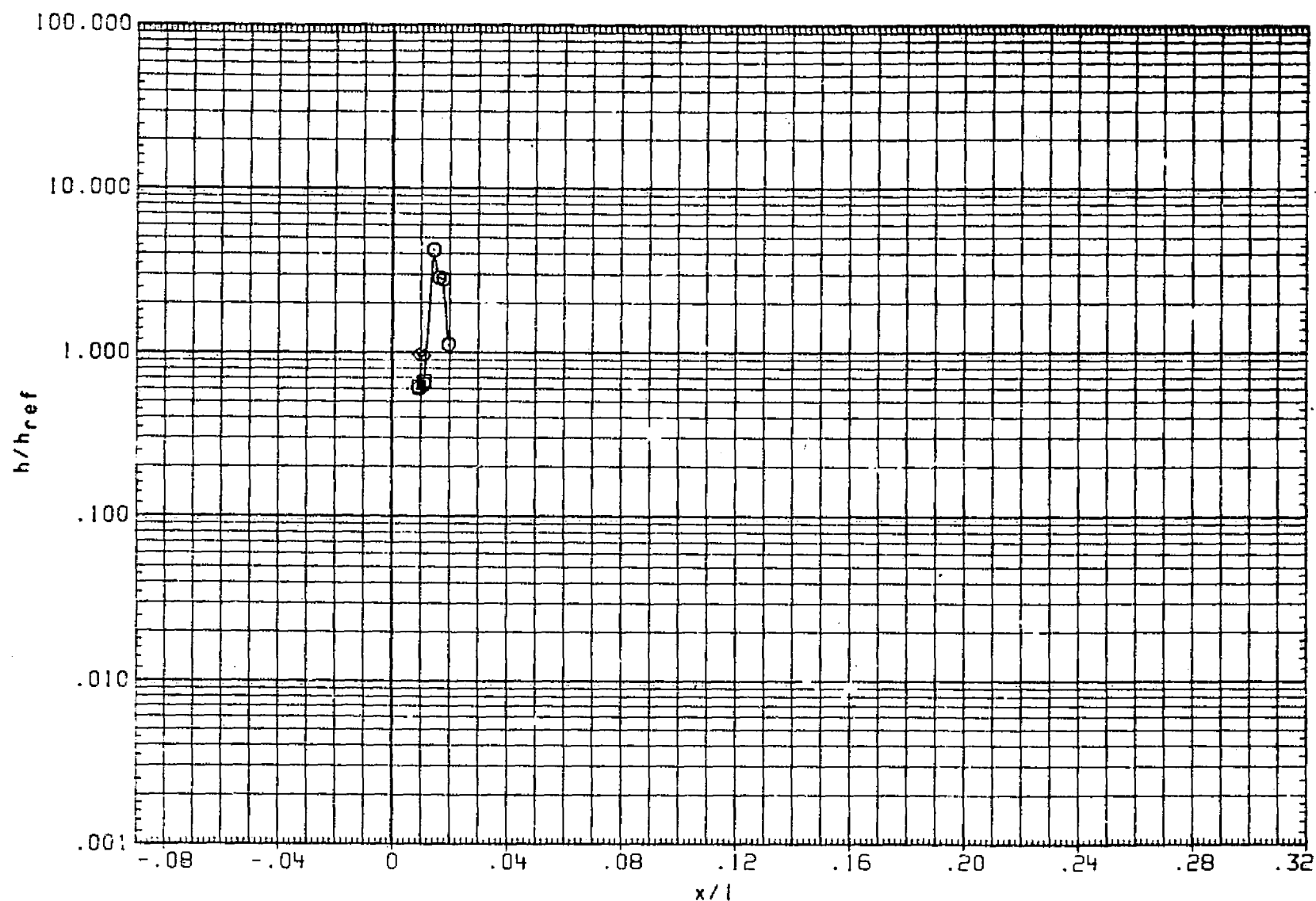


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

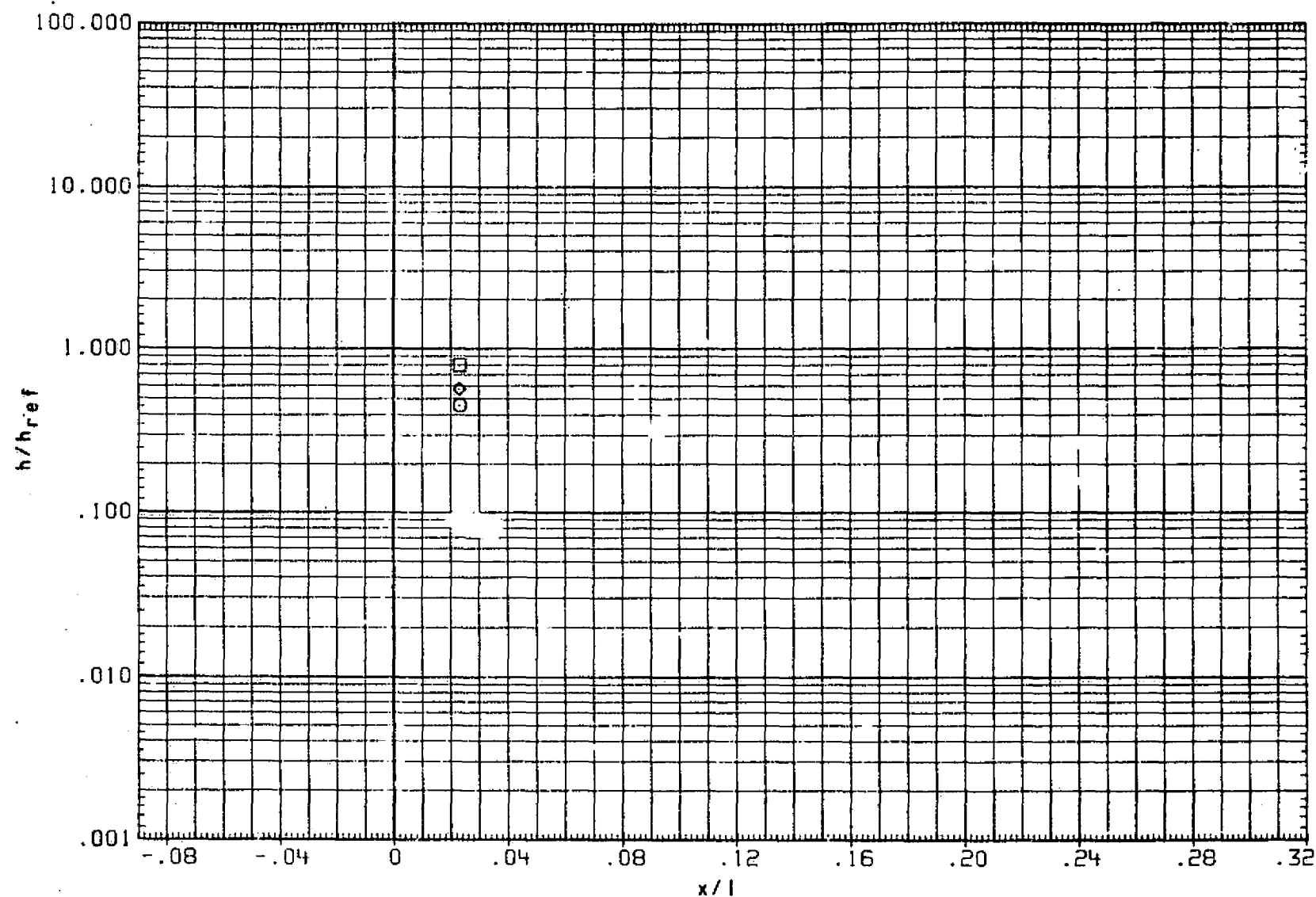


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14)11/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000

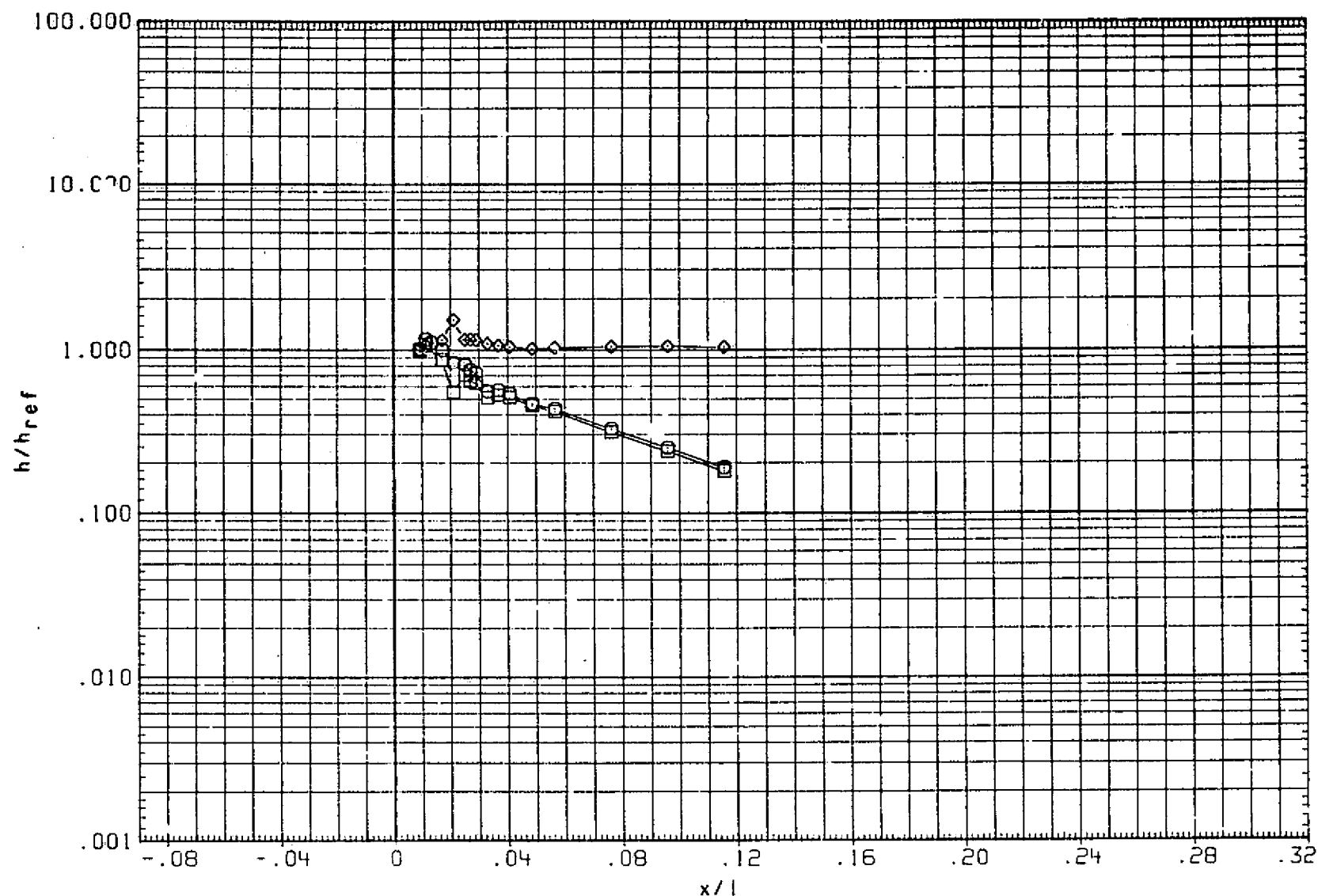


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RM/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

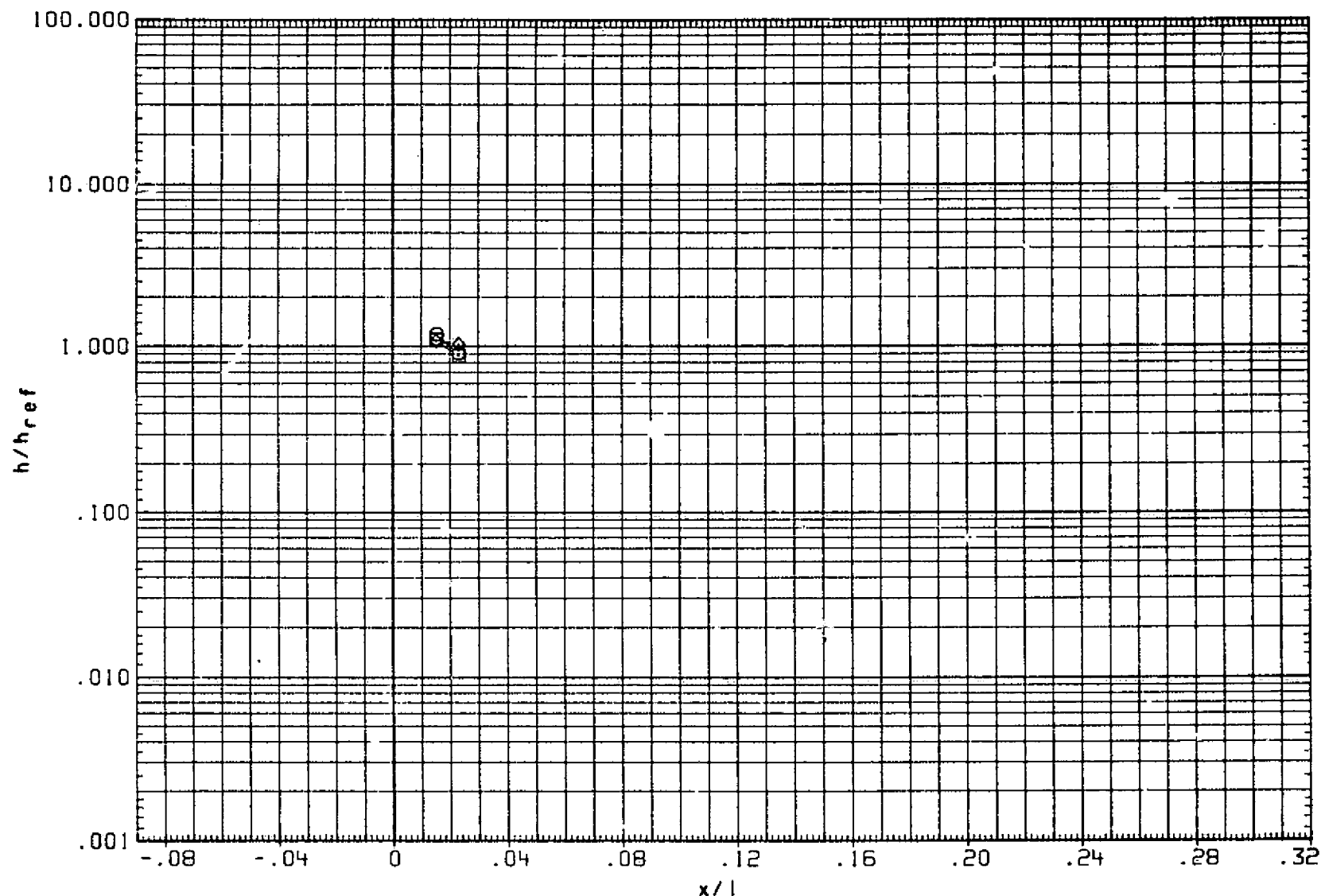


FIG. 14 TANK FOREBODY  $H1/HU$  (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1052

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

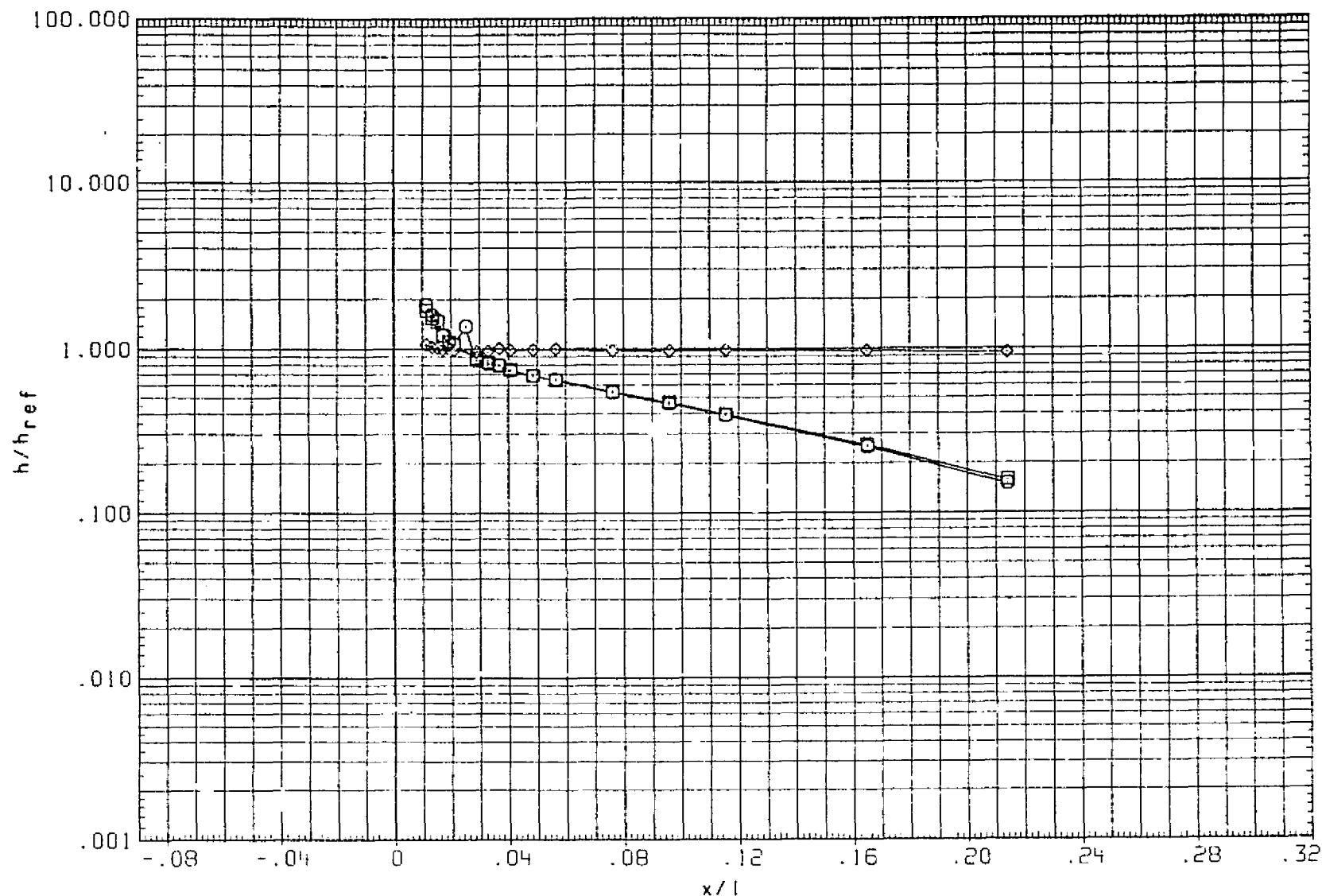


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(RNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

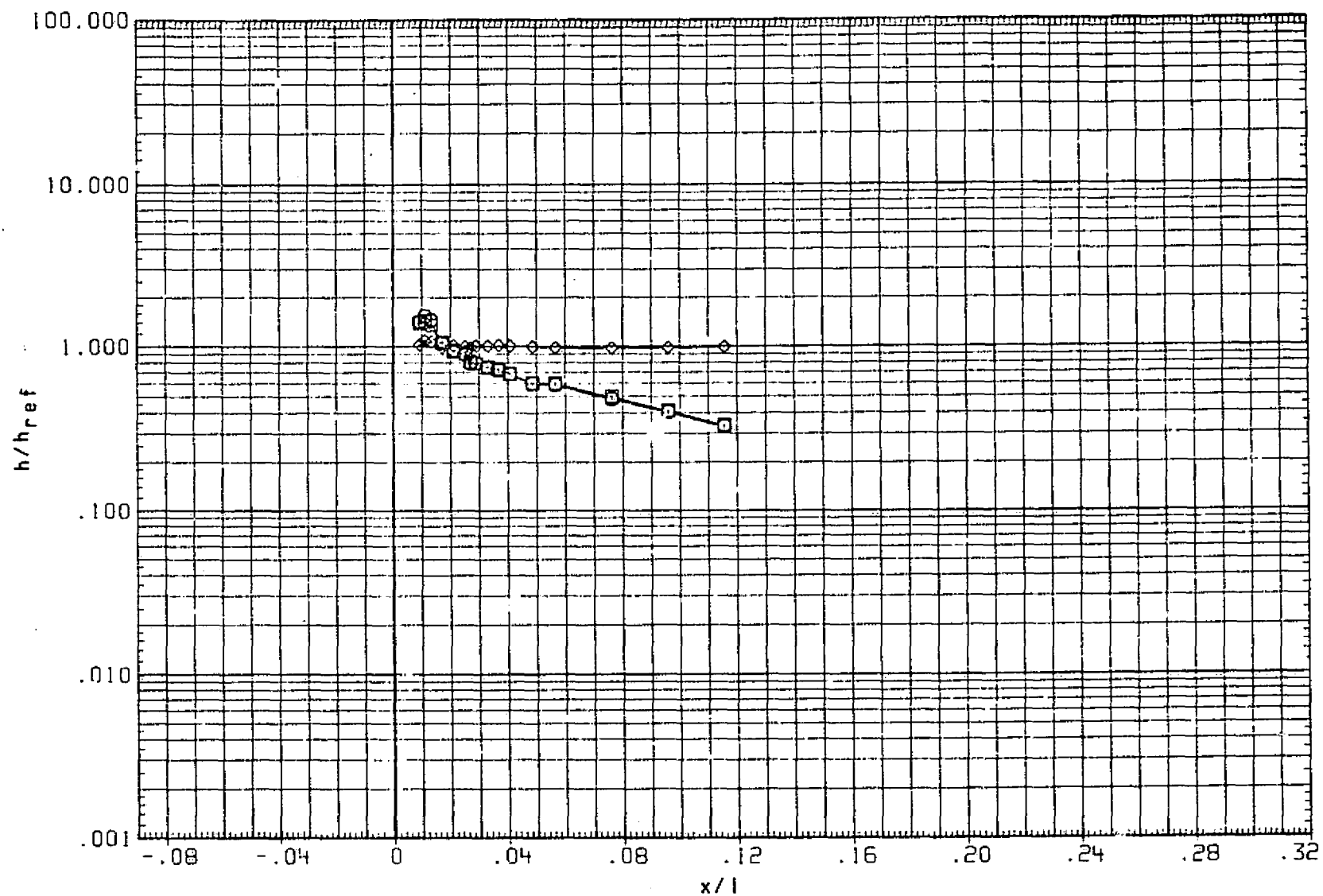


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1054

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

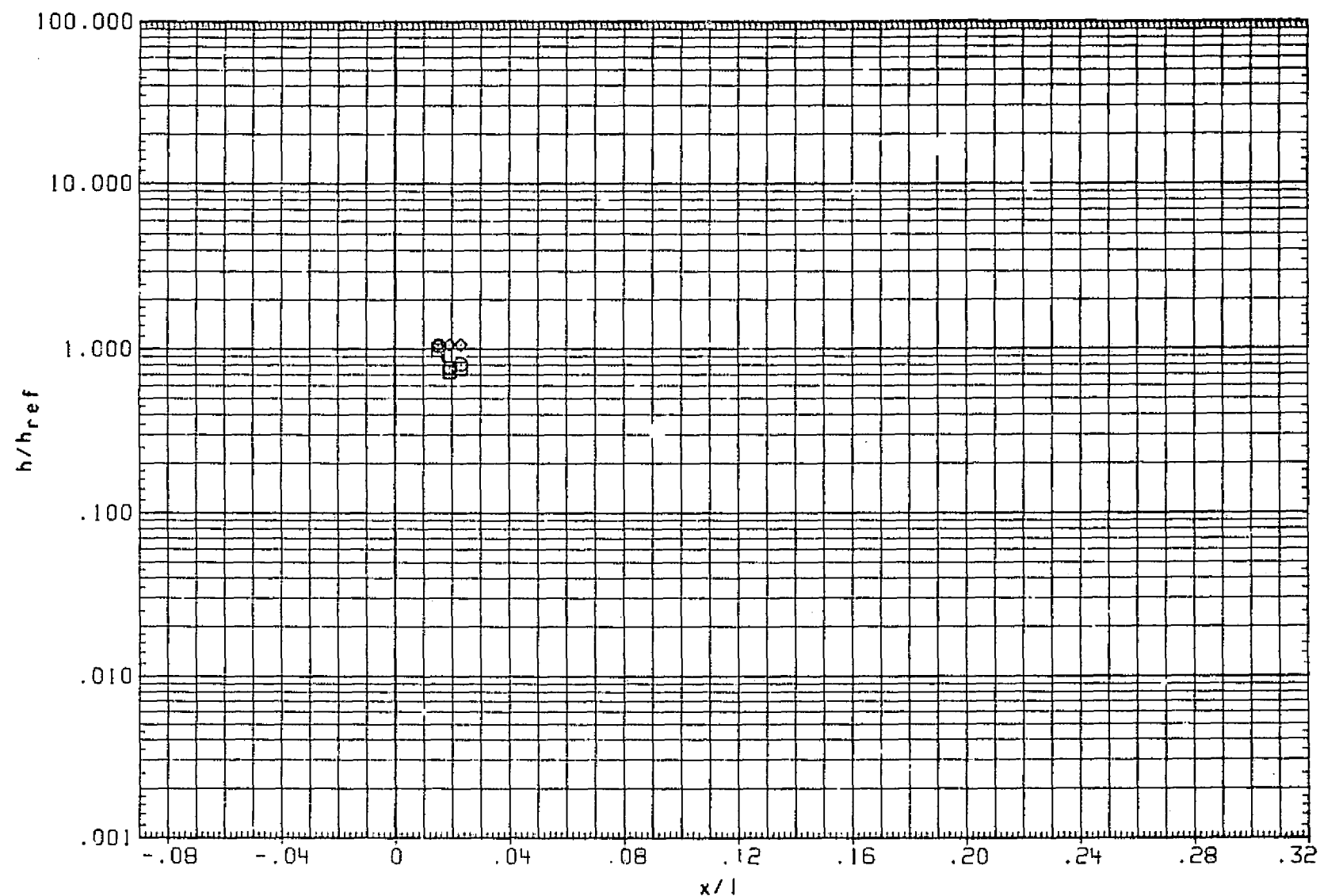


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

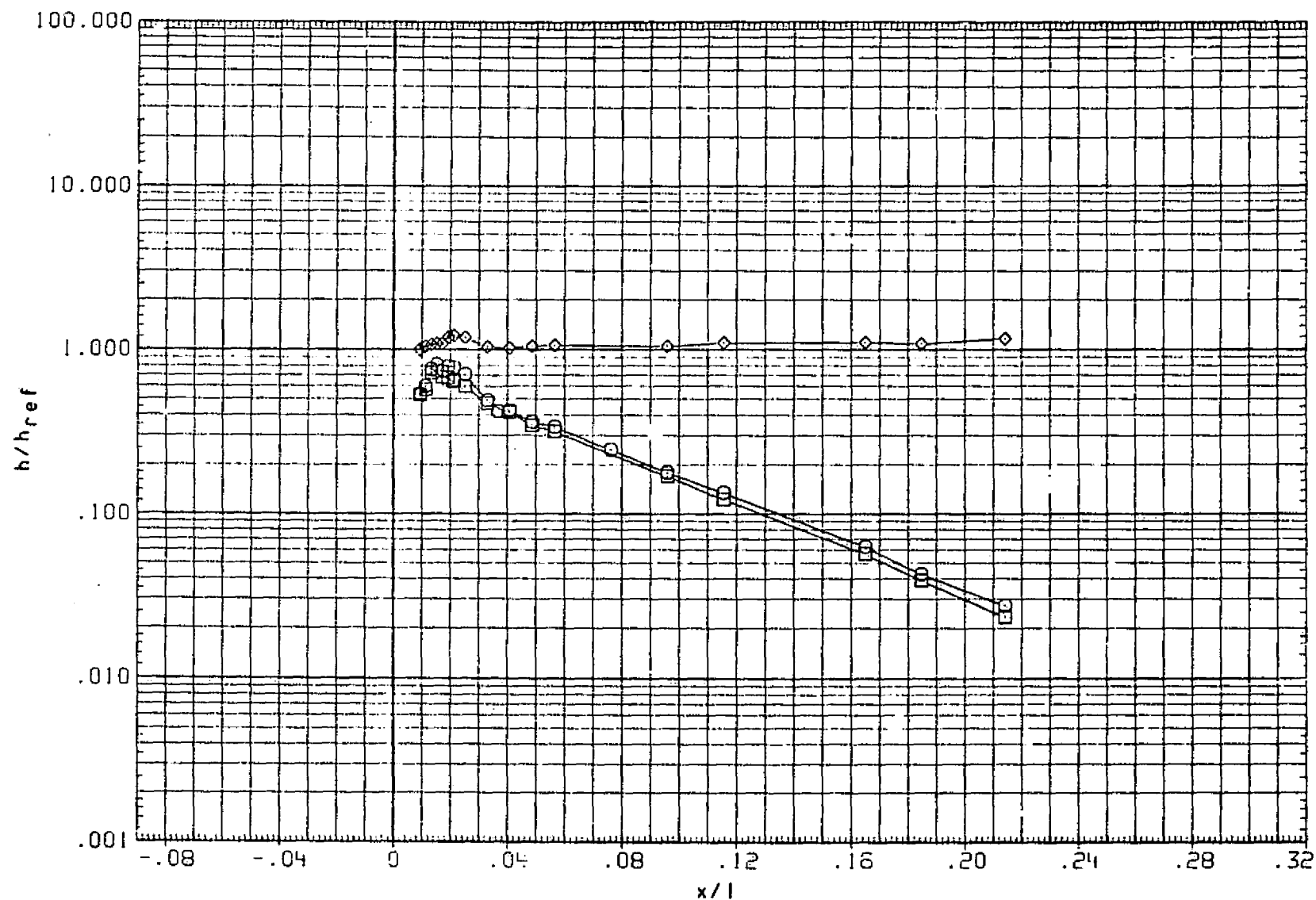


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◁	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

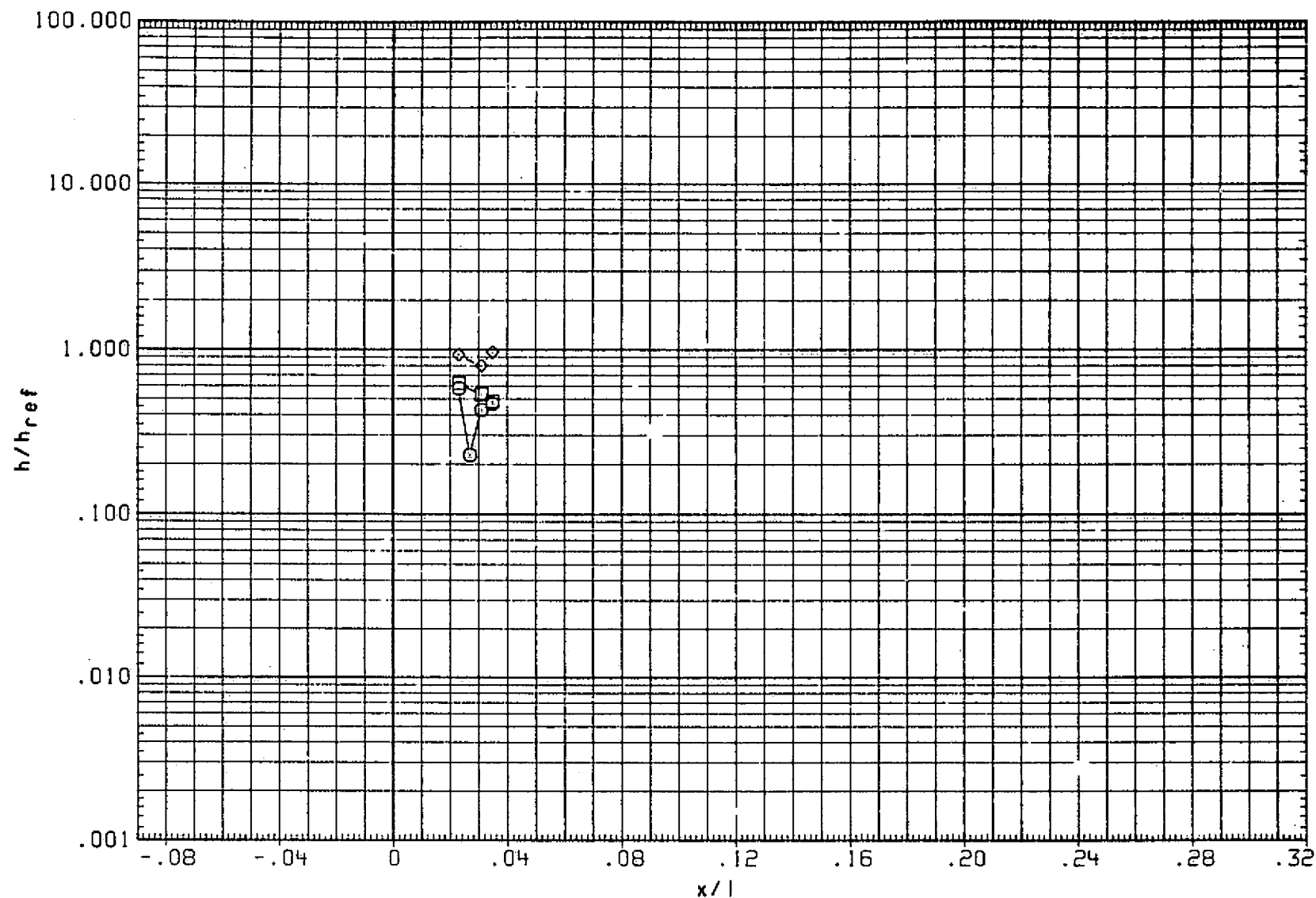


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(RNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

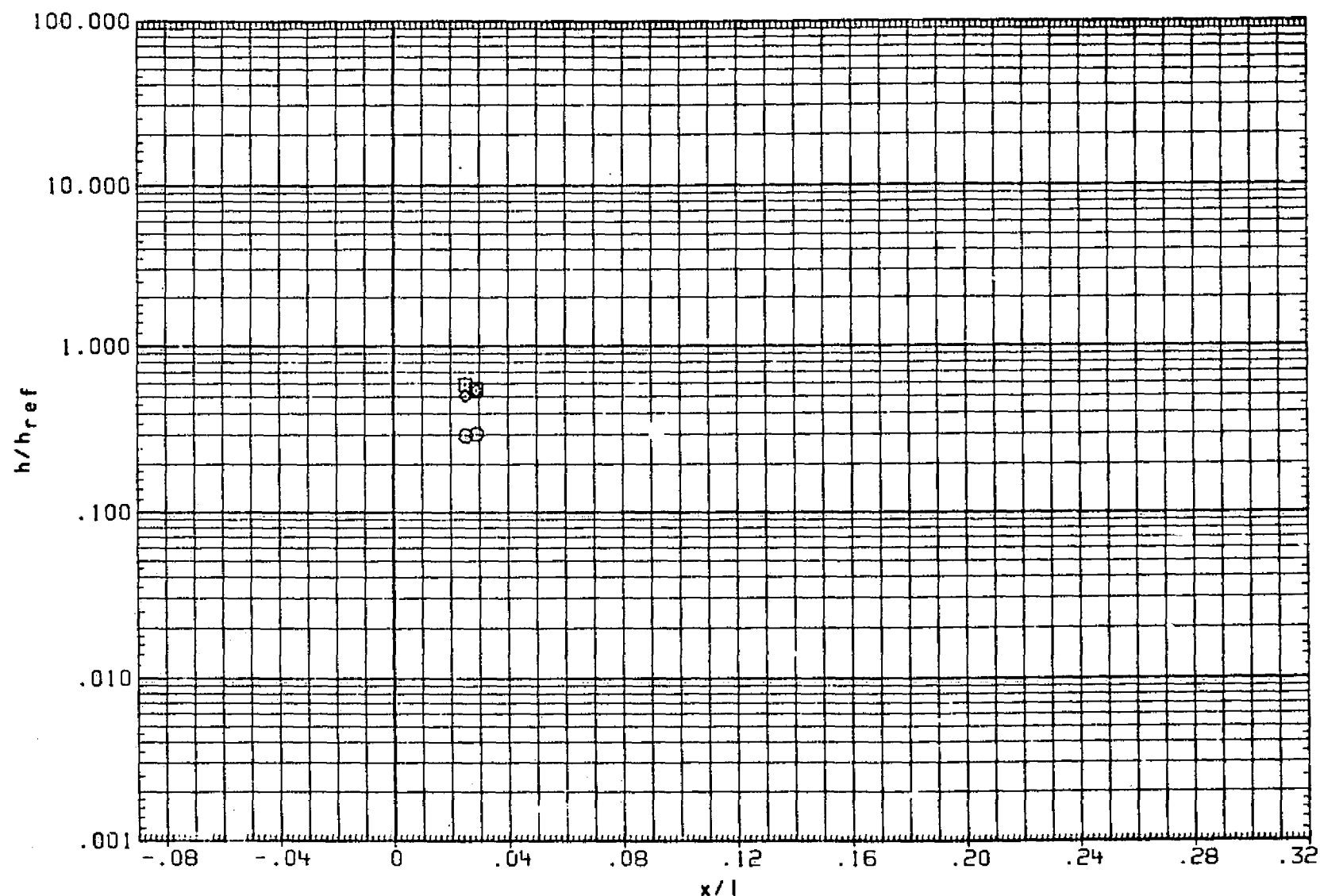


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

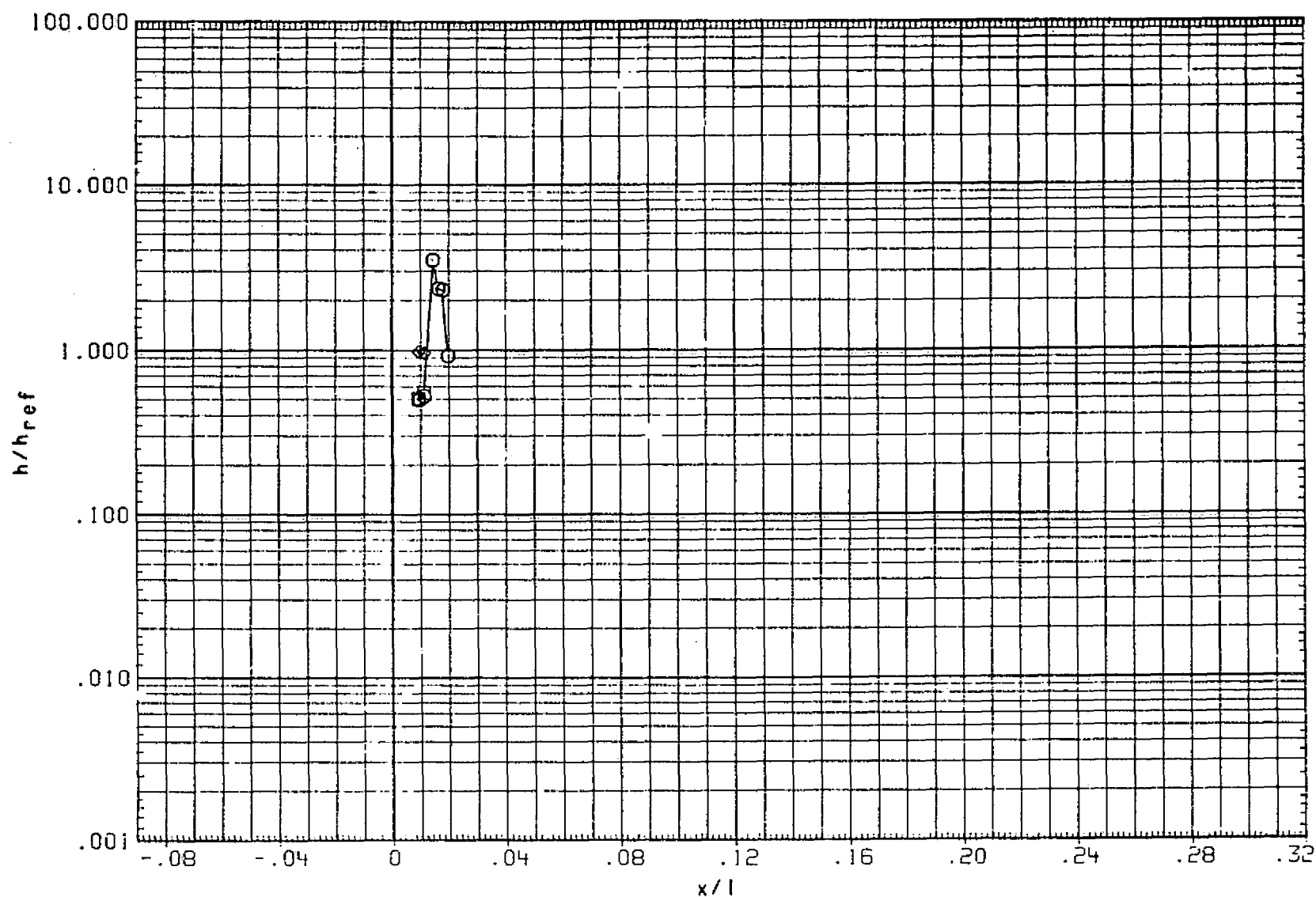


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX, BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT15	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
IRNTT30	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
IRNTT15	◇	ARC3.5-215(FH14) HI/HU (IRNTT15/RNTT30)	10.000	-6.000	5.000

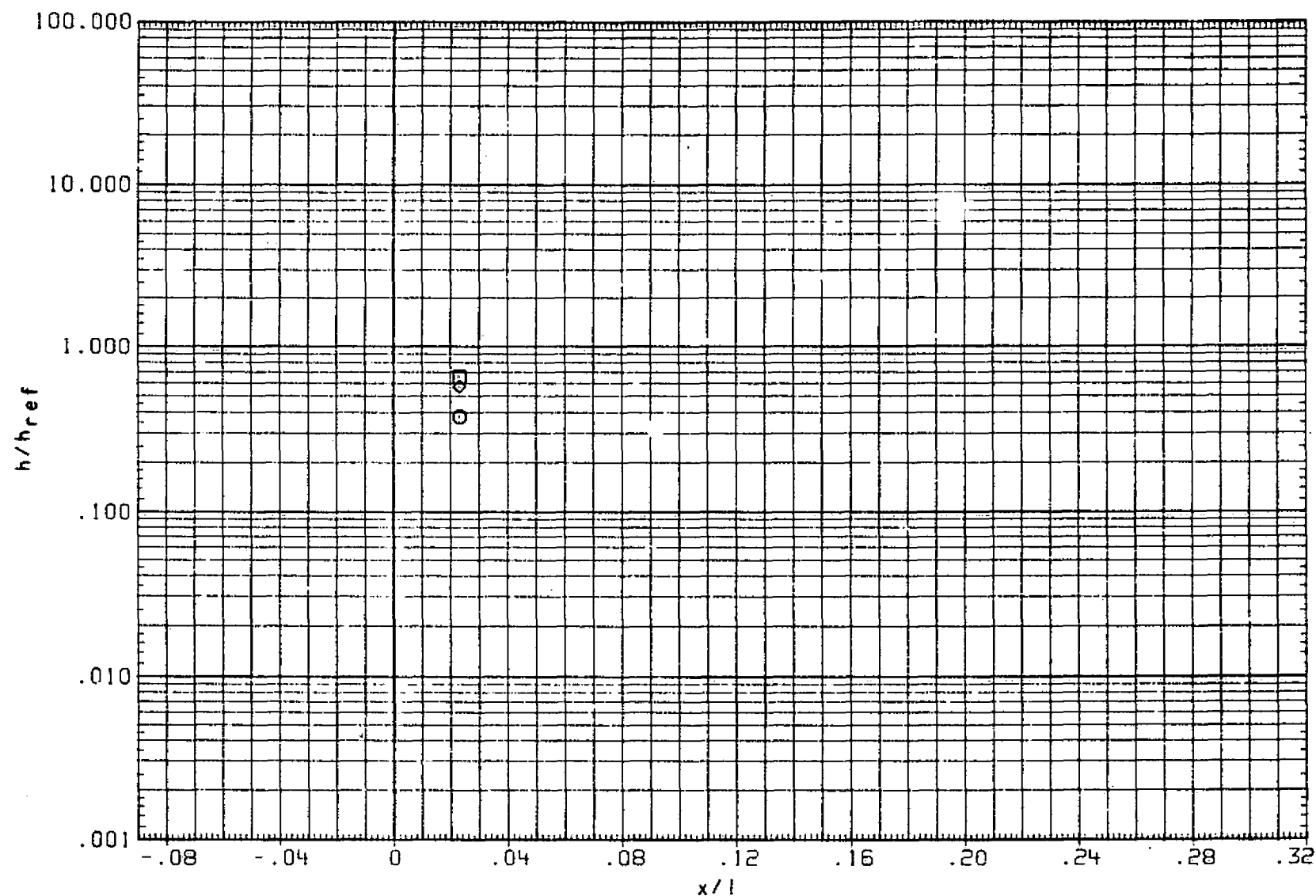


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1060

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

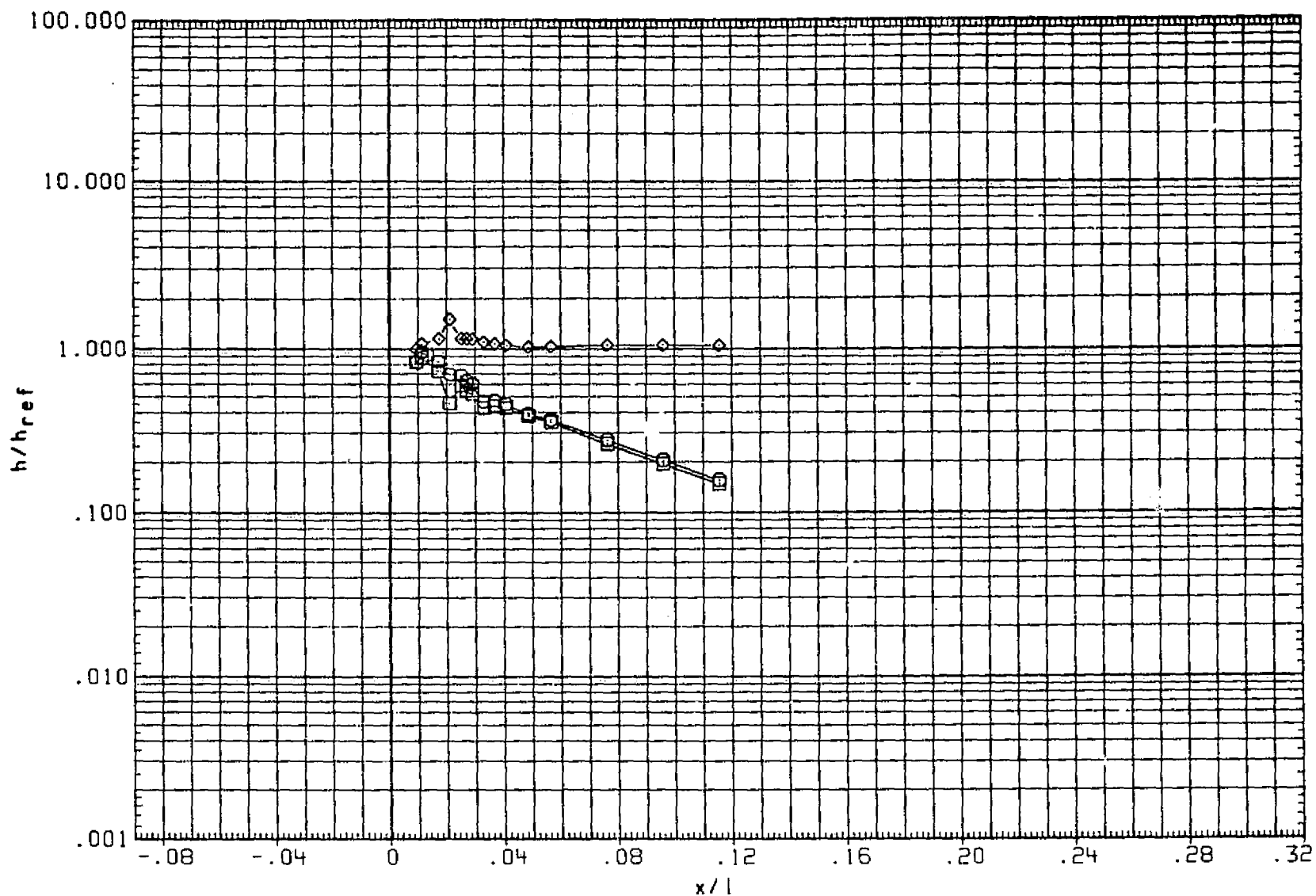


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

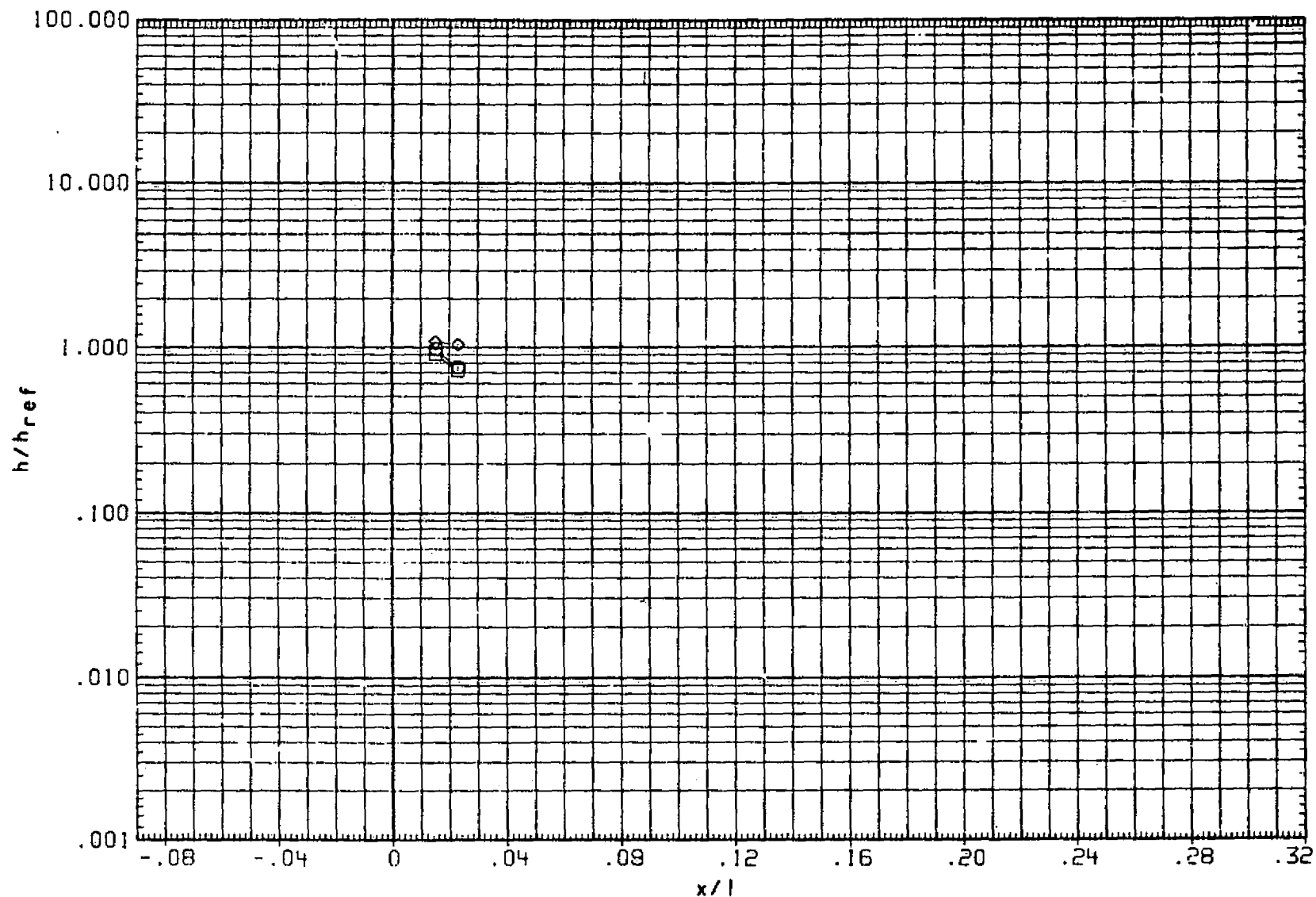


FIG. 14 TANK FOREBODY HI/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1062

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

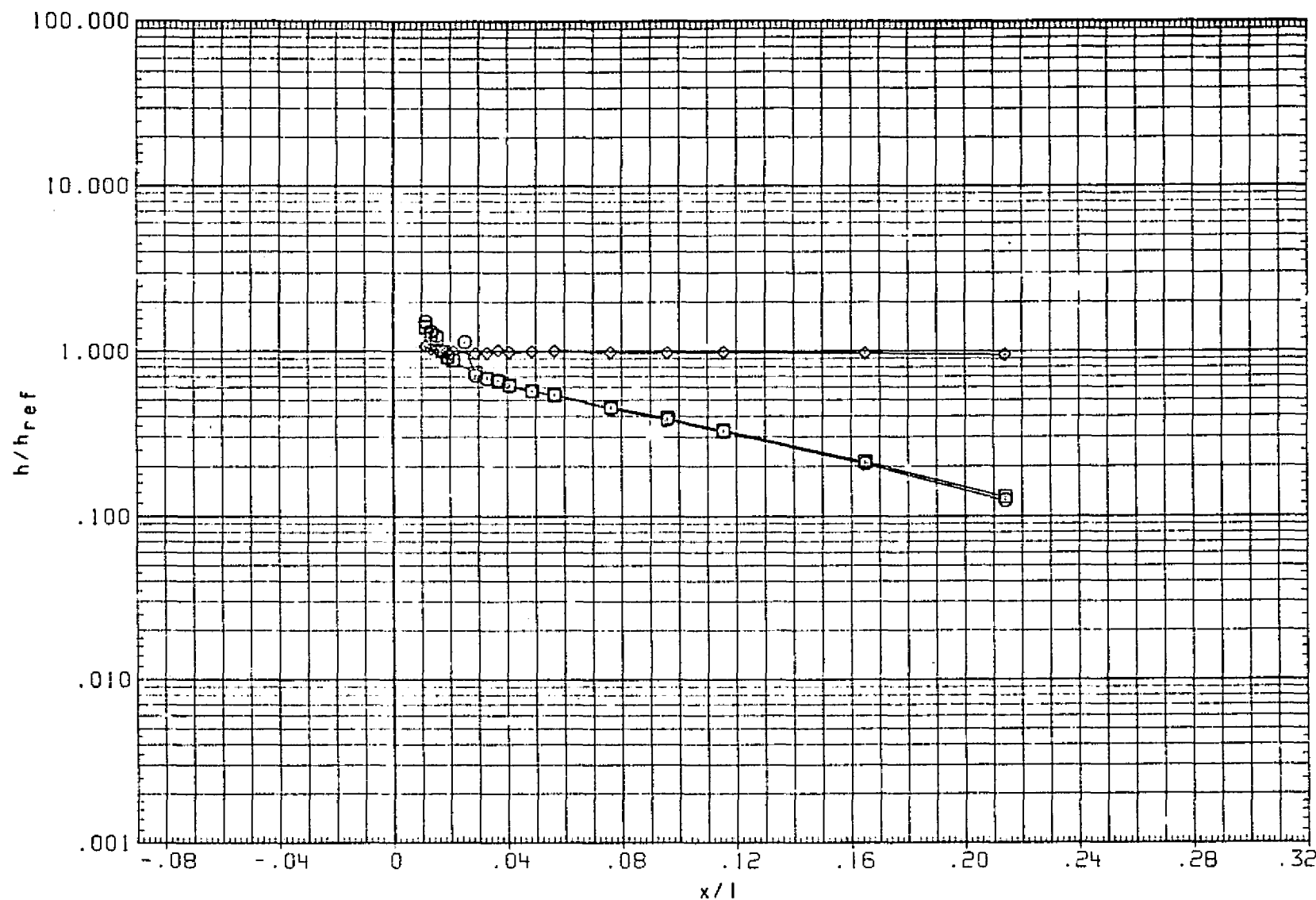


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

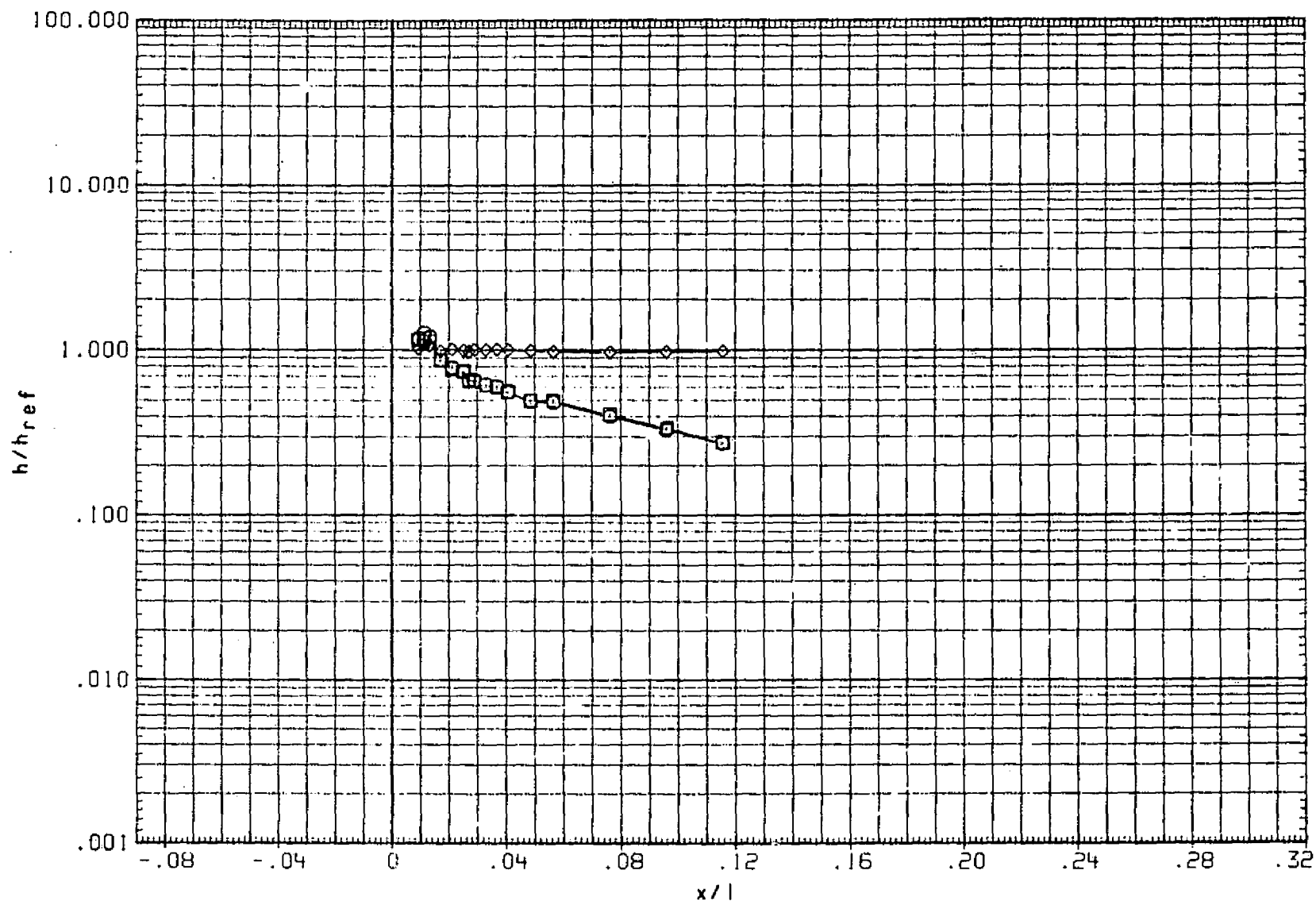


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1064

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT30)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	-6.000	5.000
(BNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT30)	10.000	-6.000	5.000

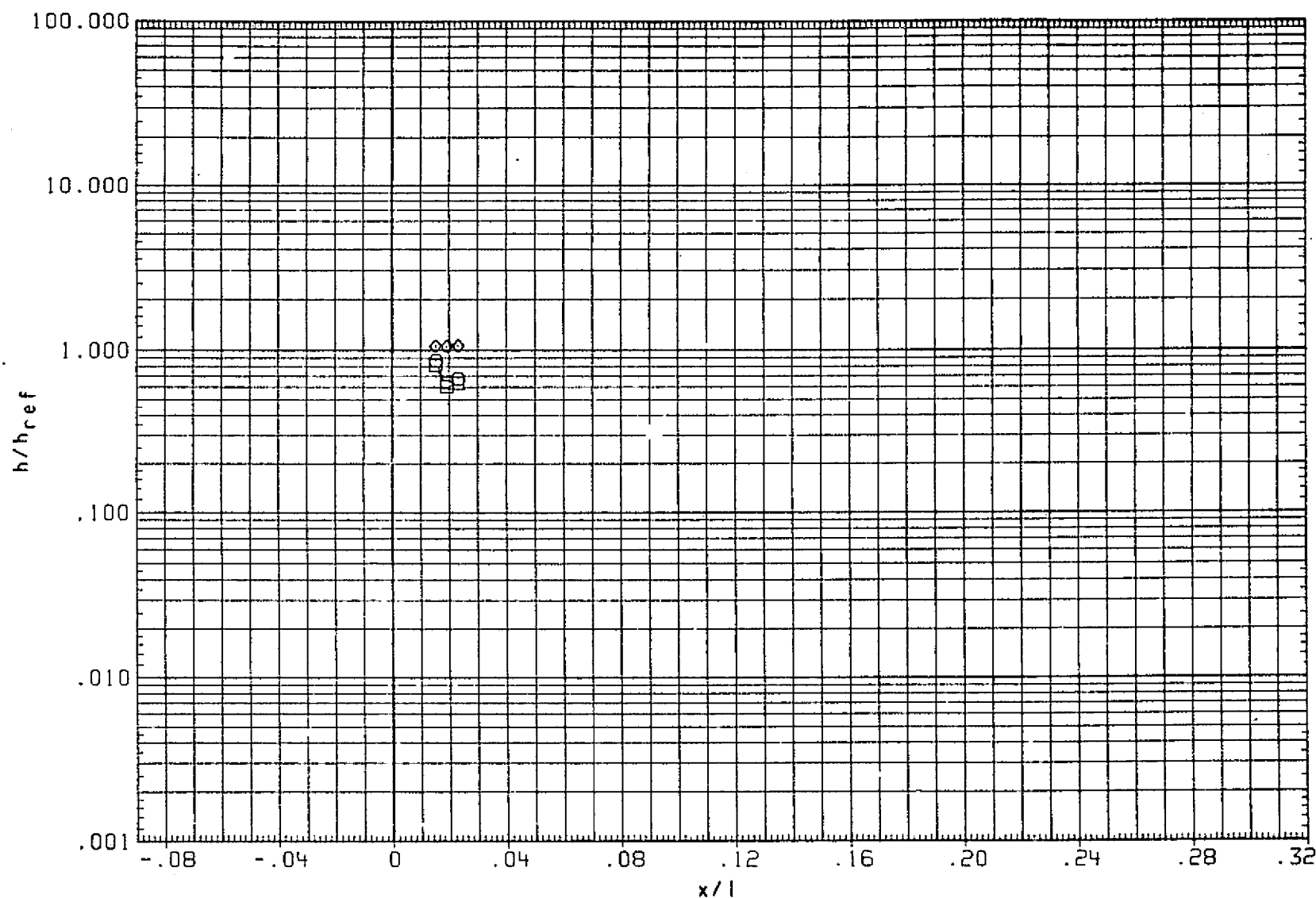


FIG. 14 TANK FOREBODY H1/HU (ALPHA=XX,BETA=XX FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

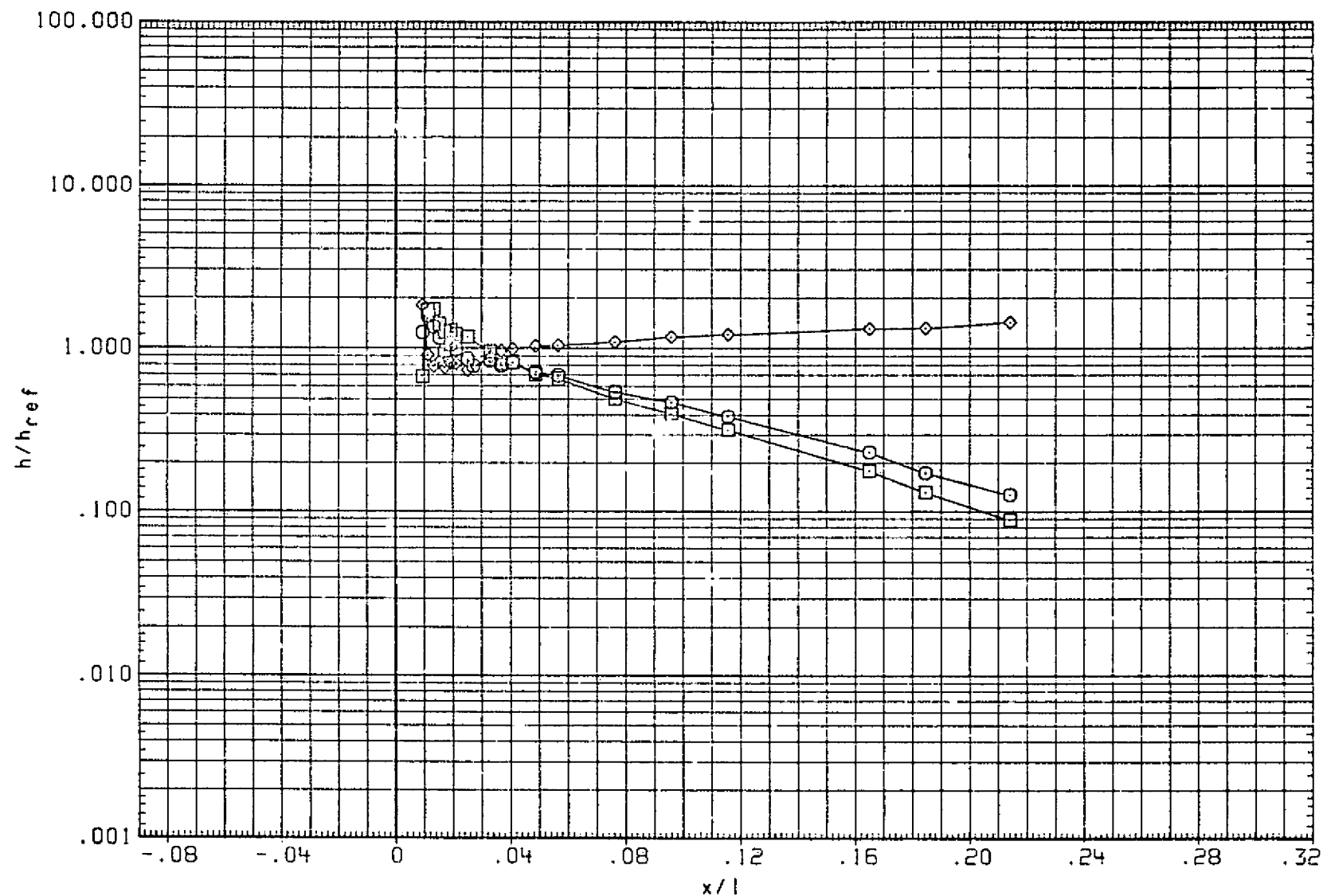


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)	.000	.000	5.000

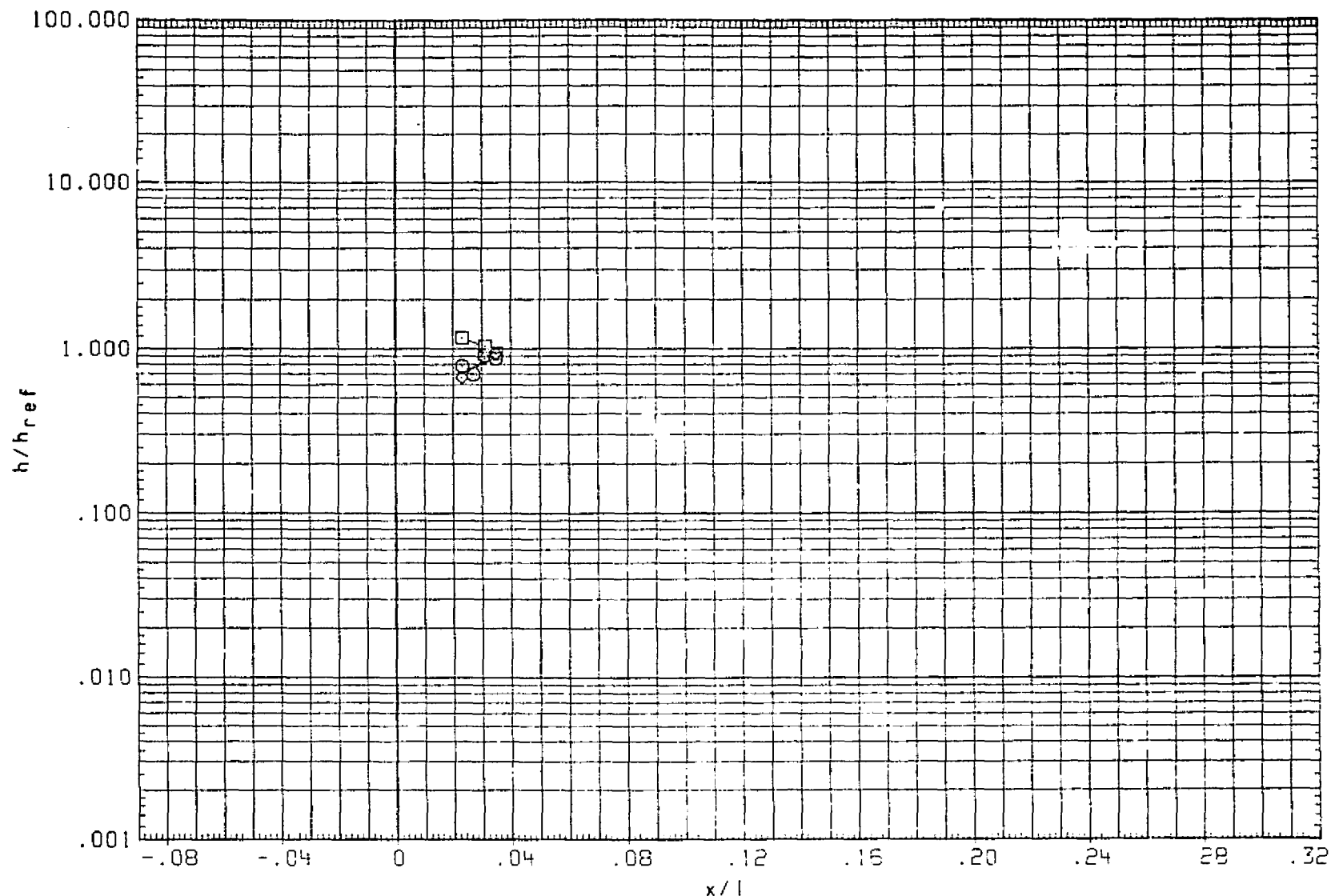


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-2151FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-2151FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-2151FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

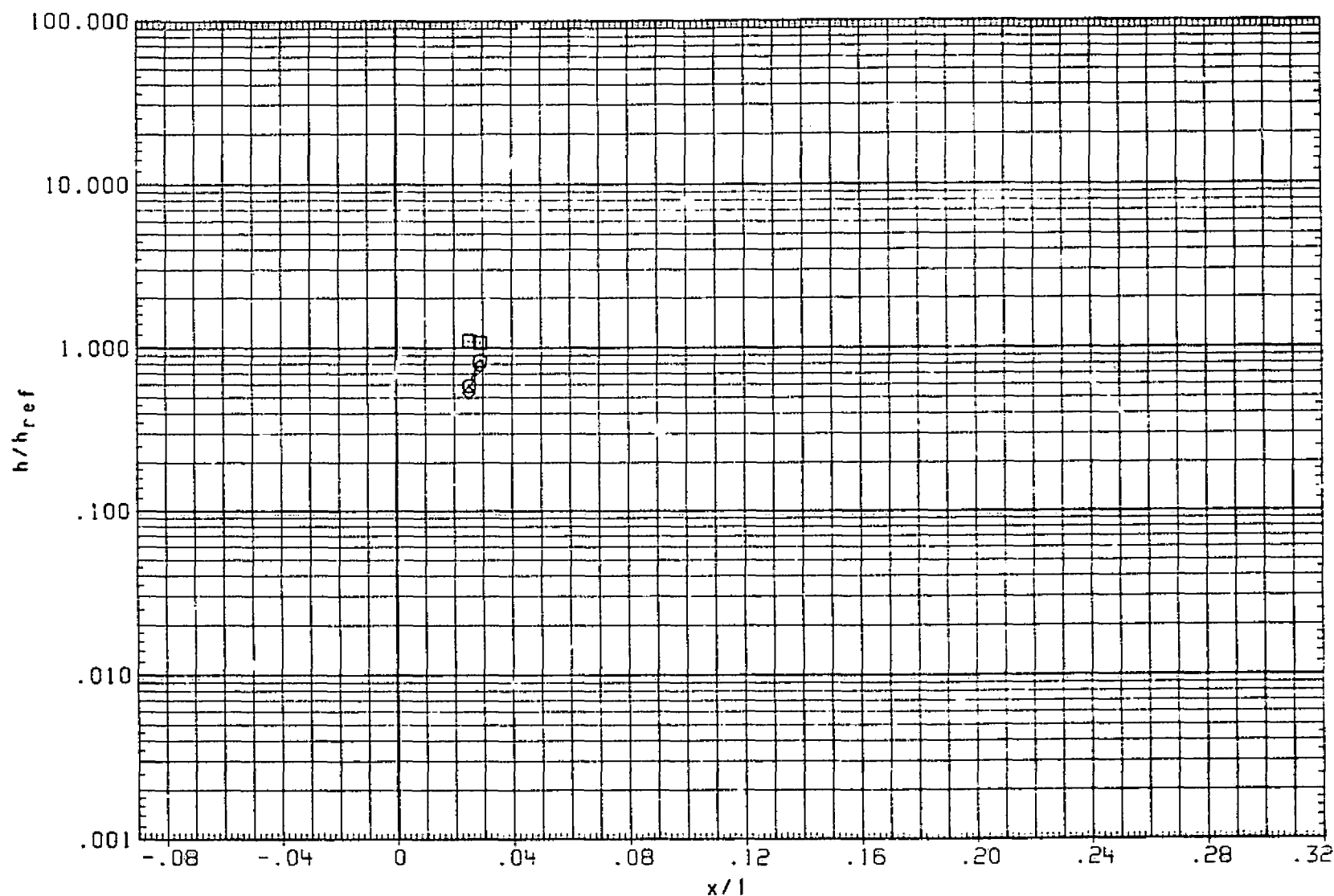


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CN) 04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

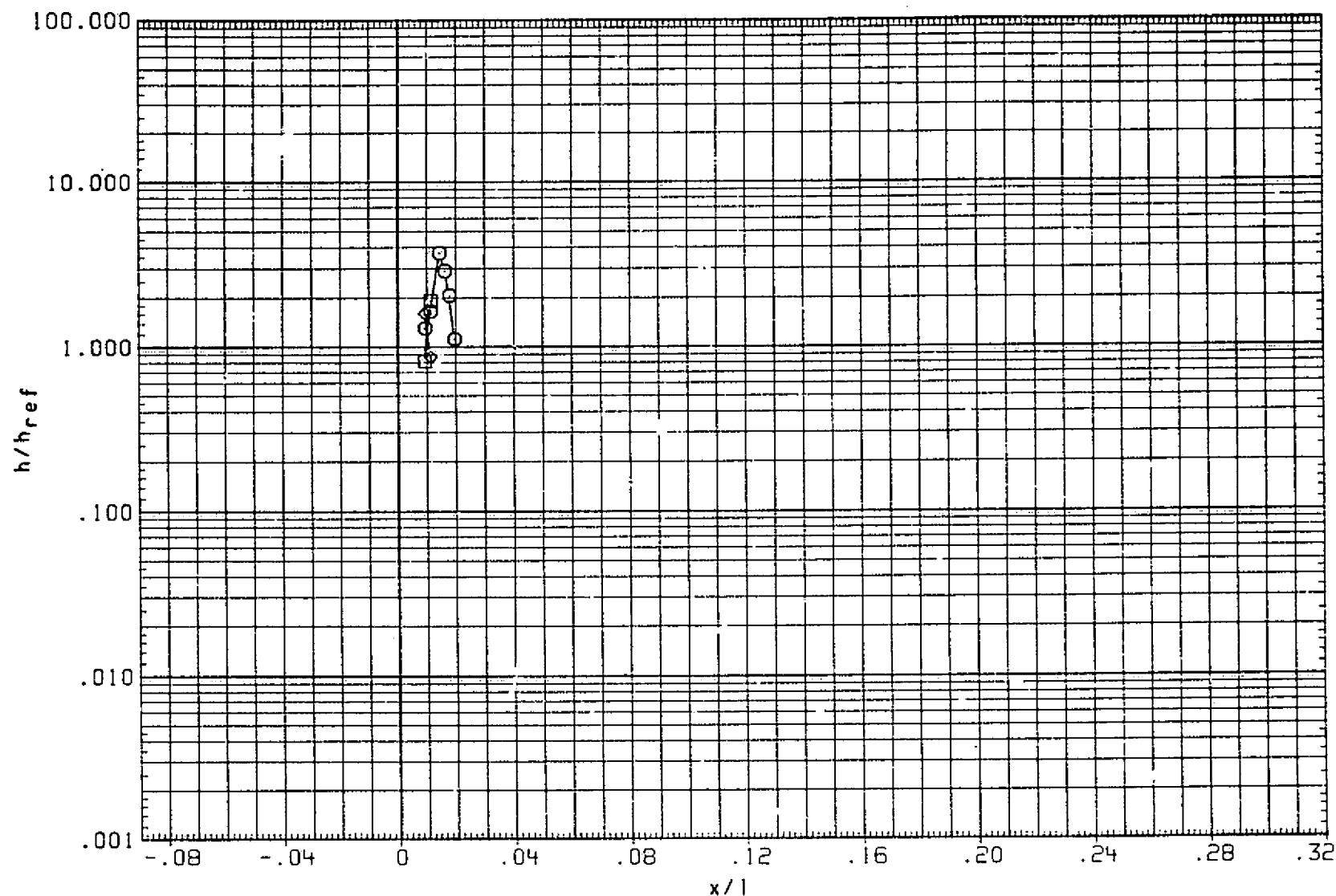


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

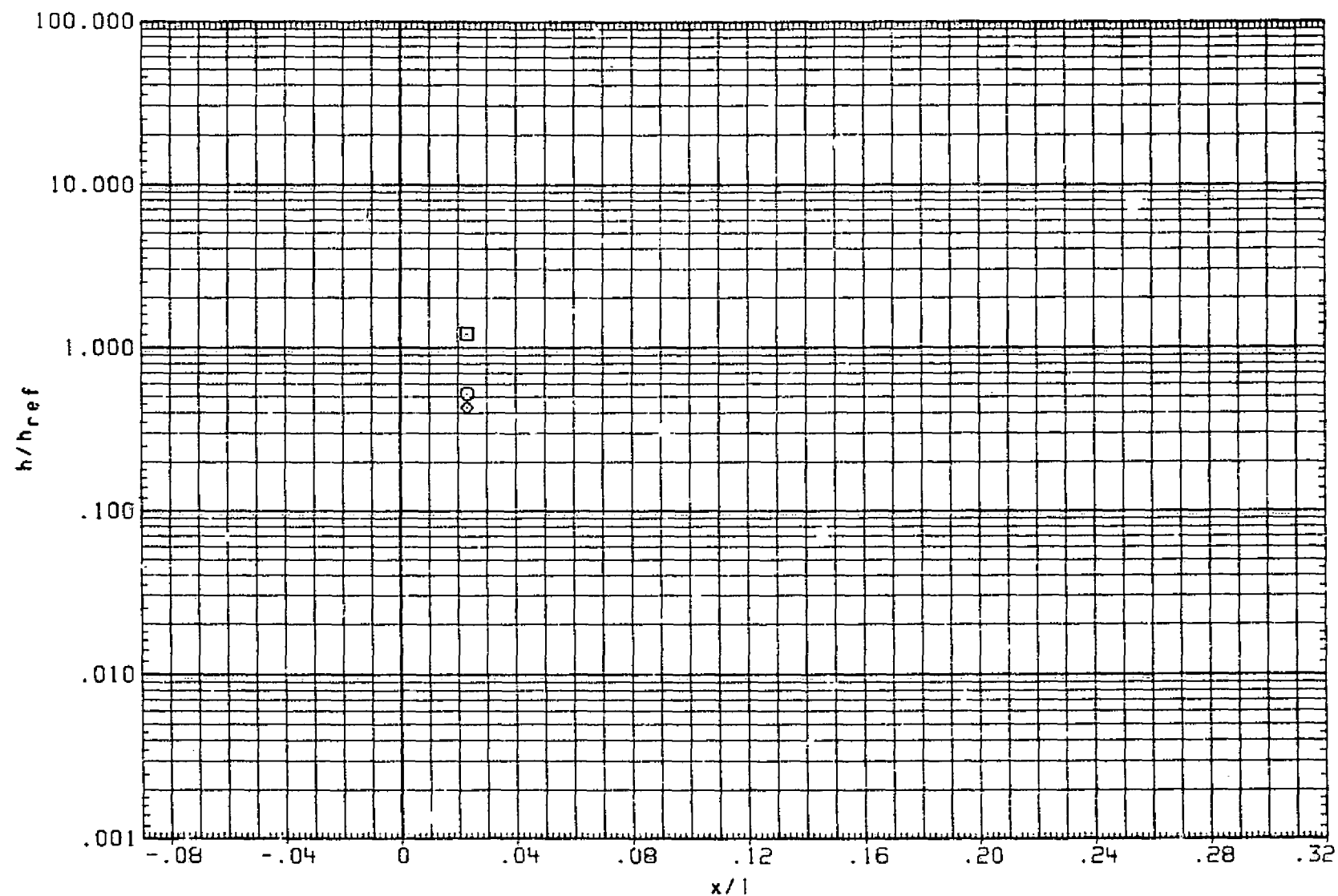


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1070

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

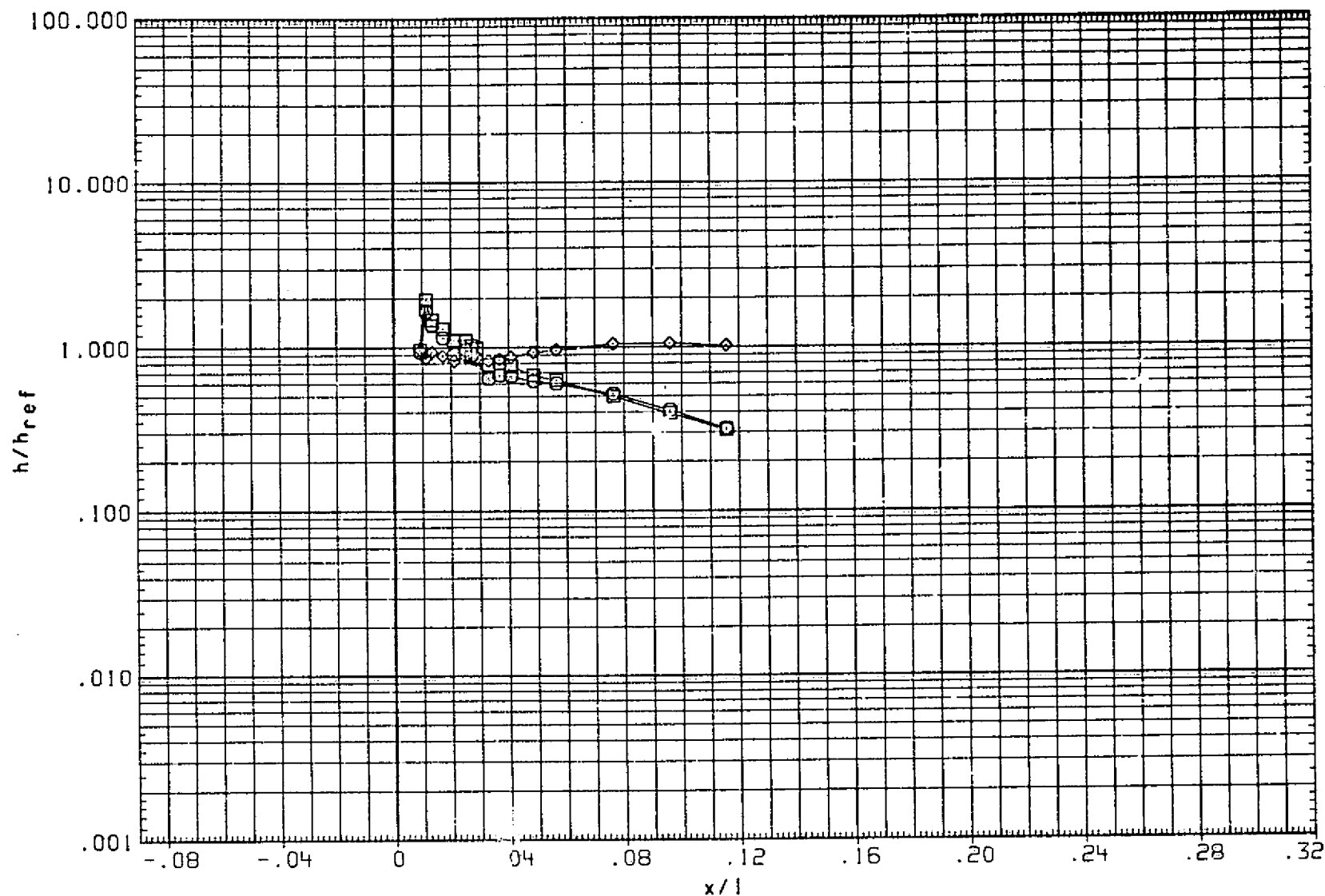


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

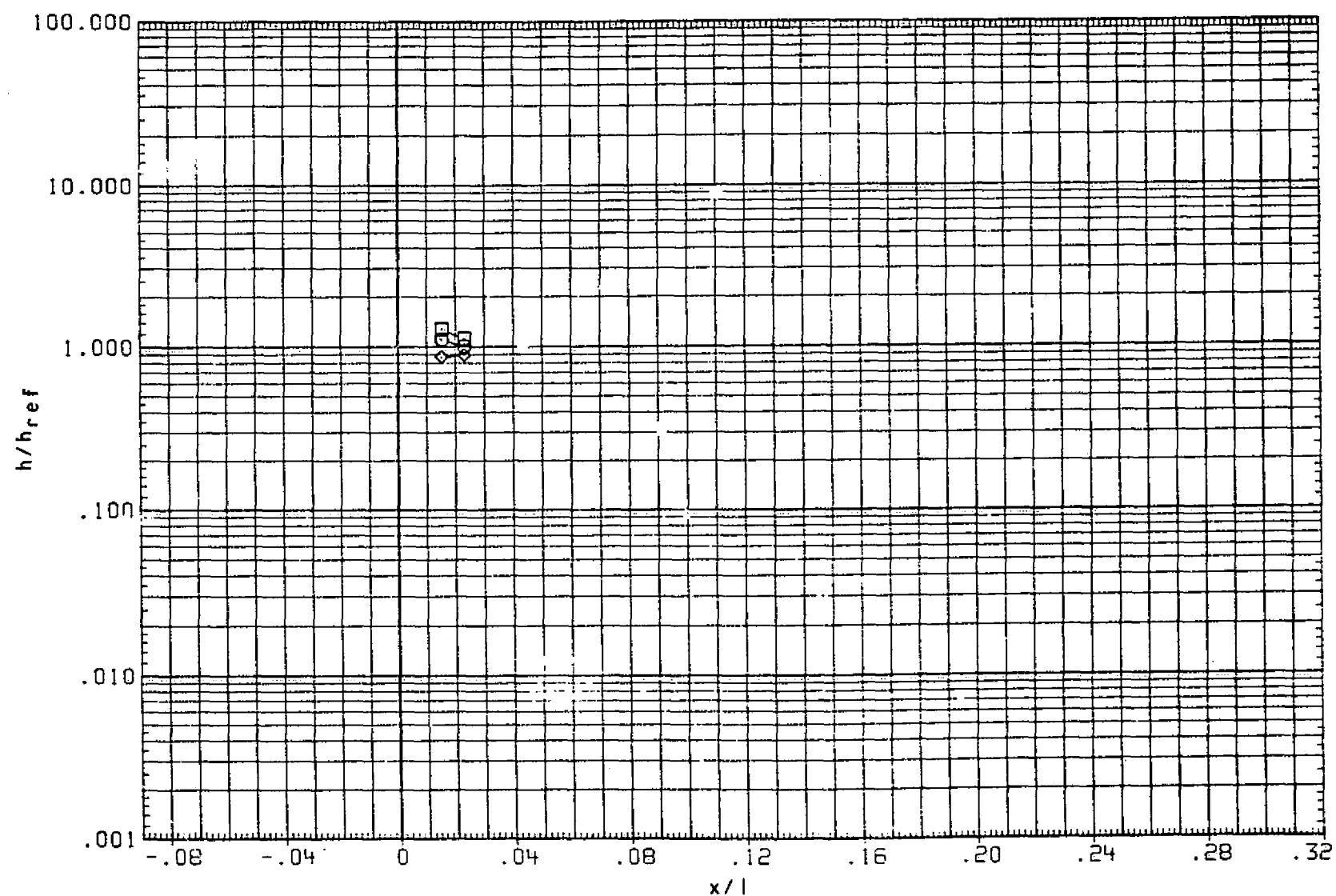


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)	.000	.000	5.000

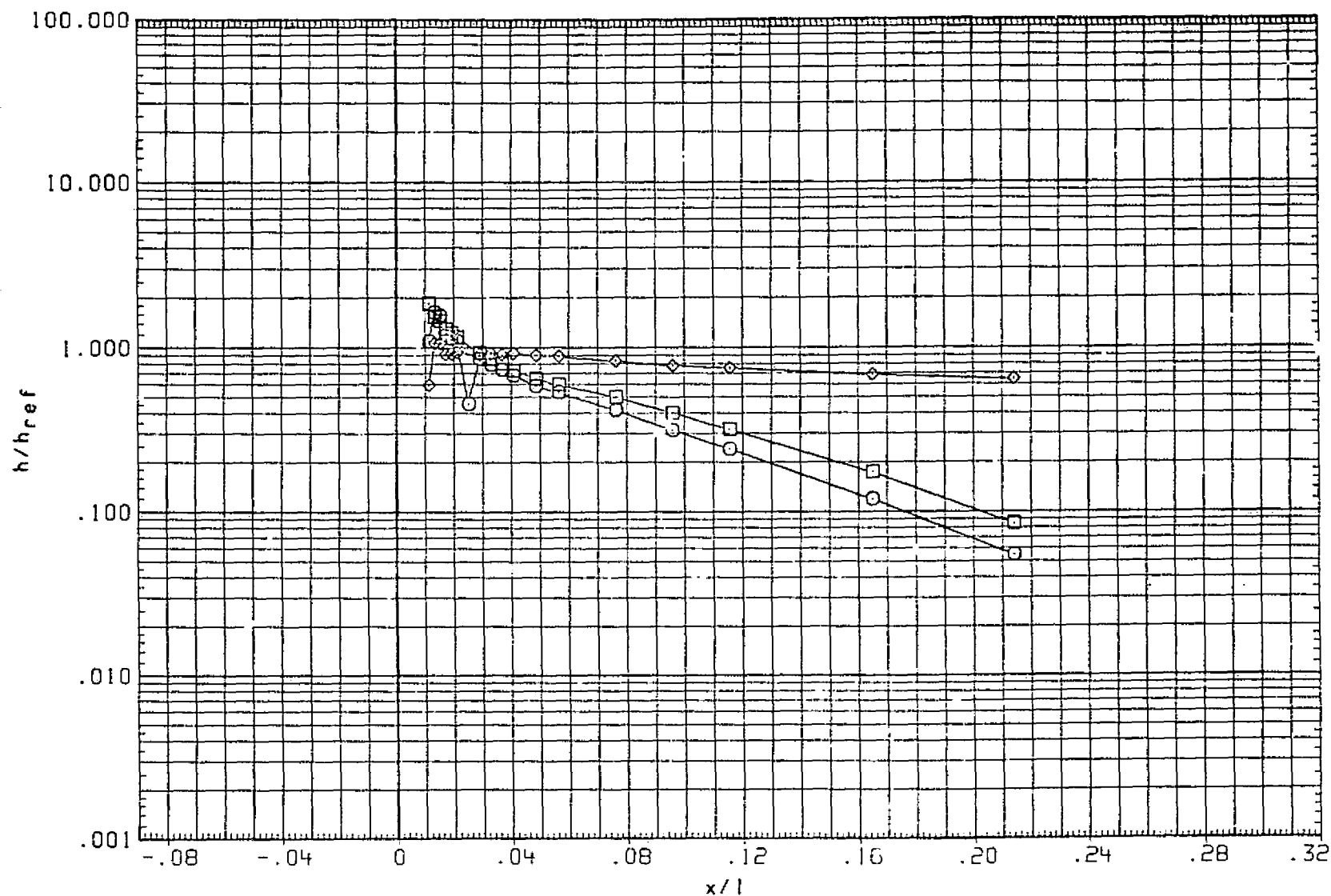


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

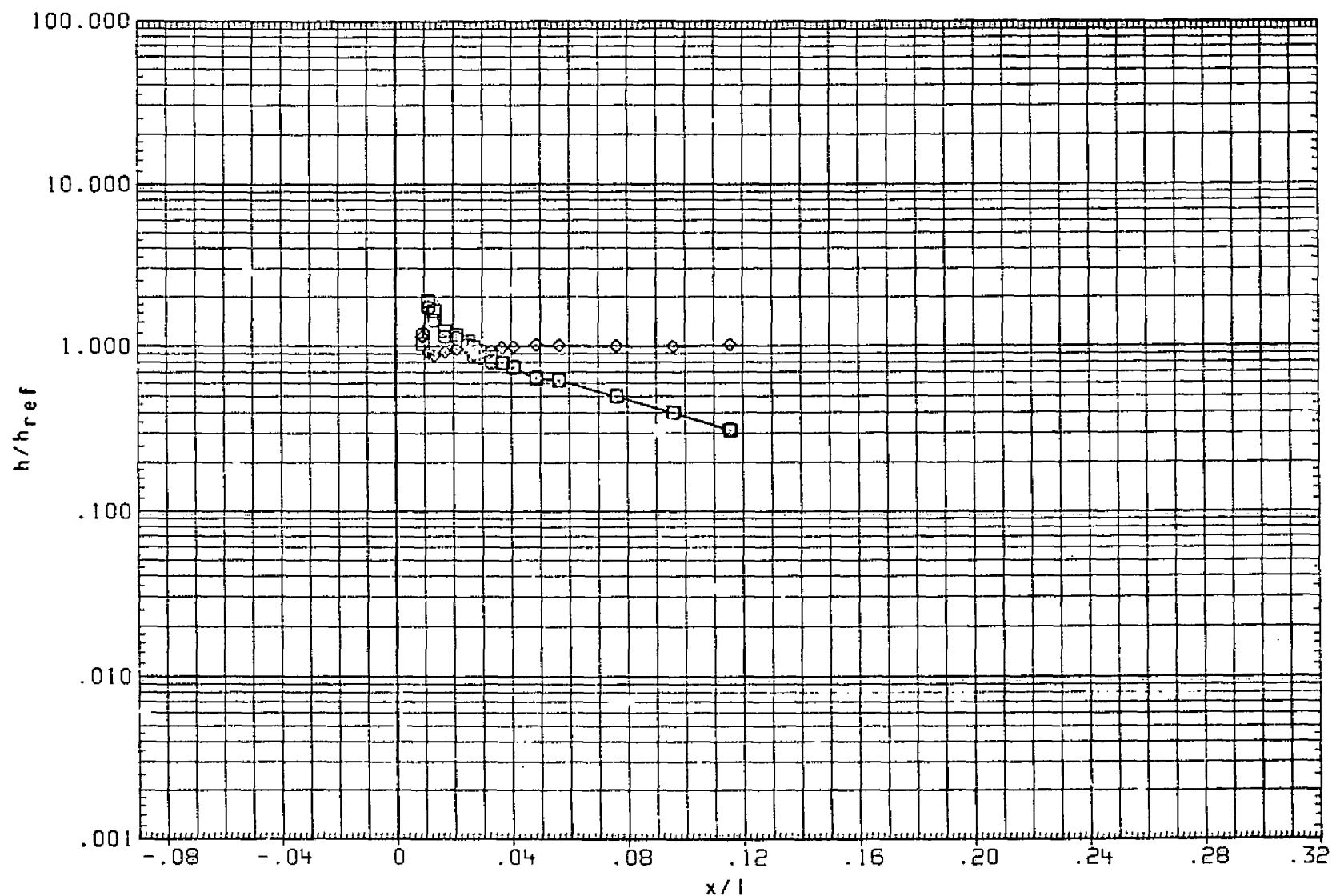


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1074

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

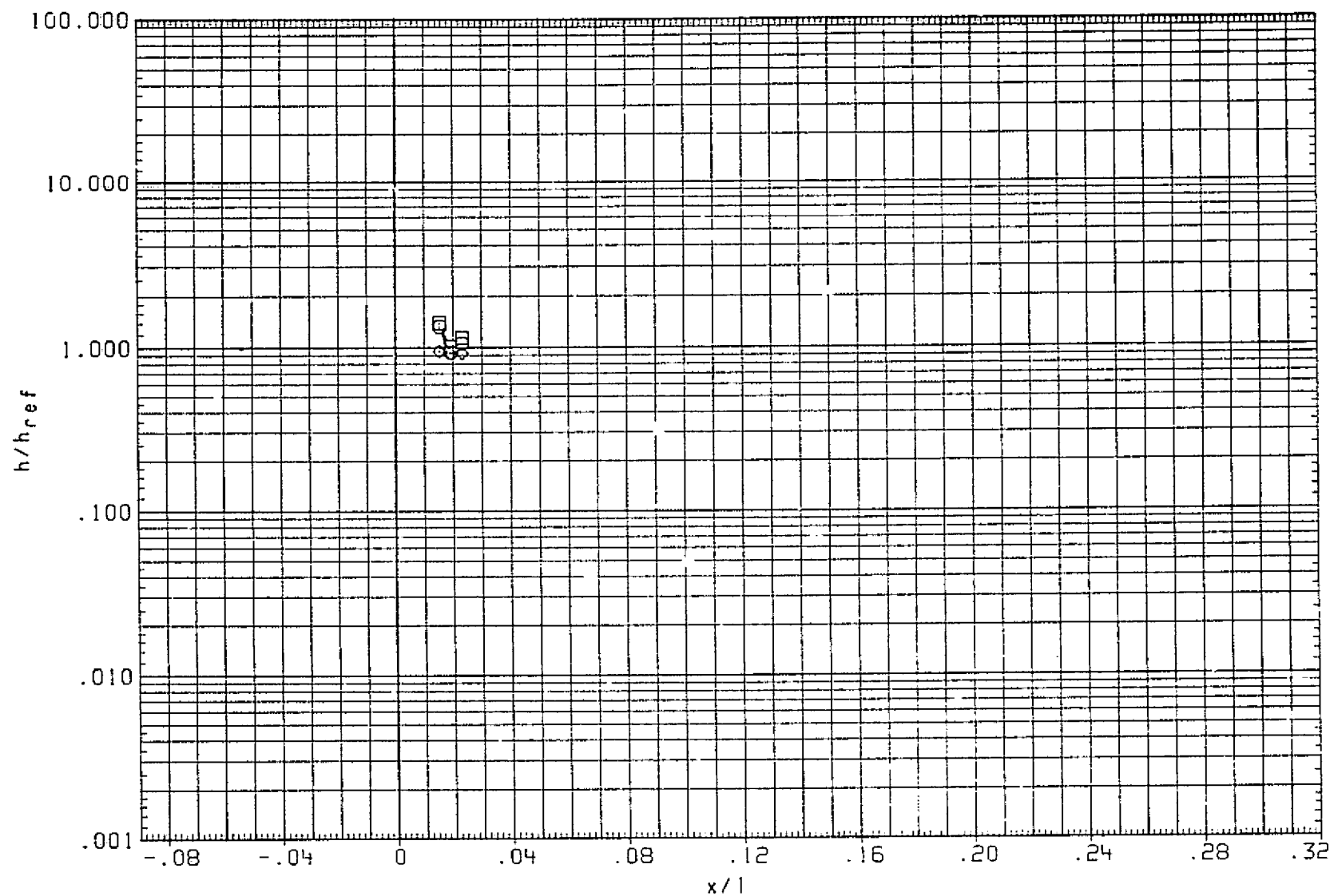


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

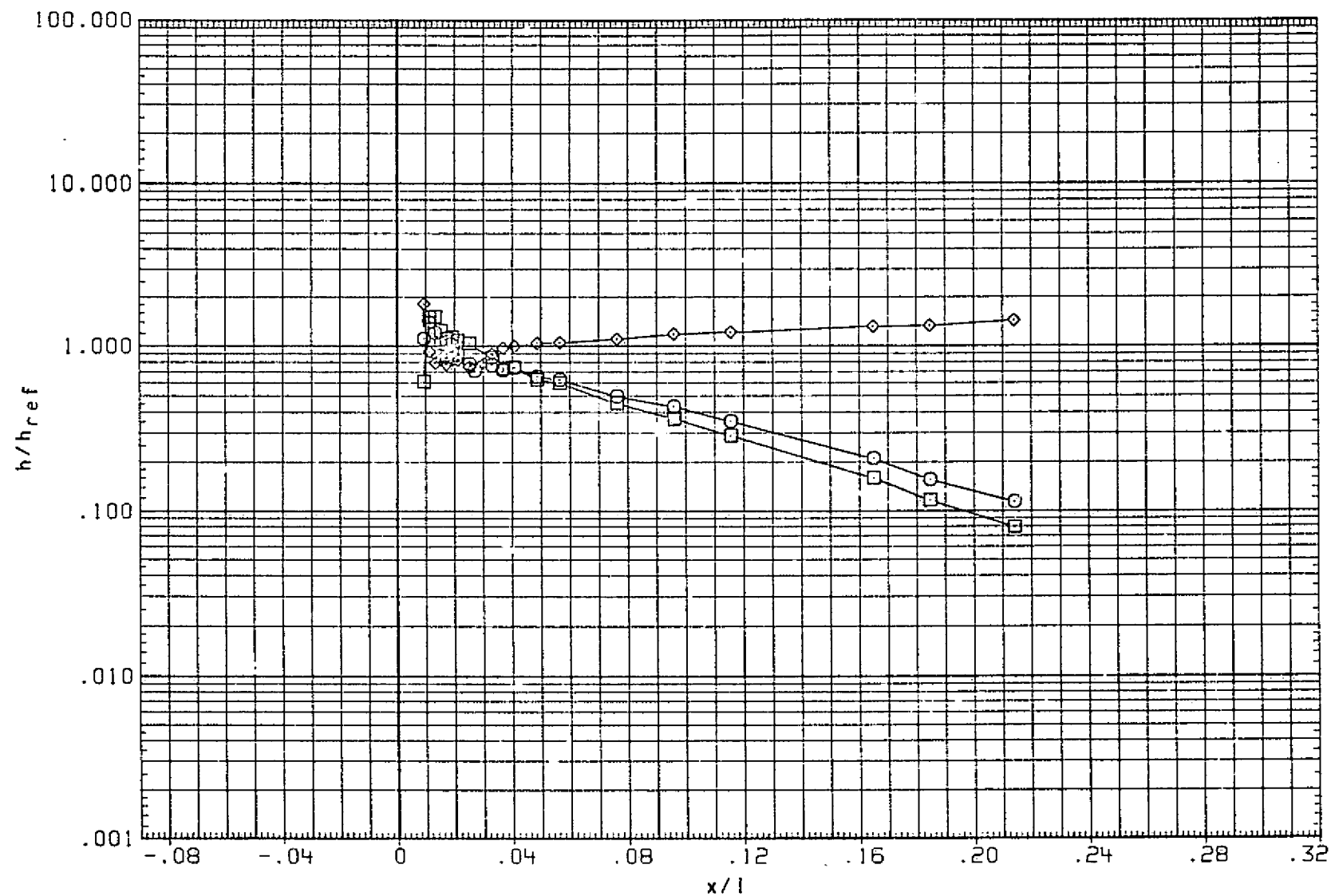


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

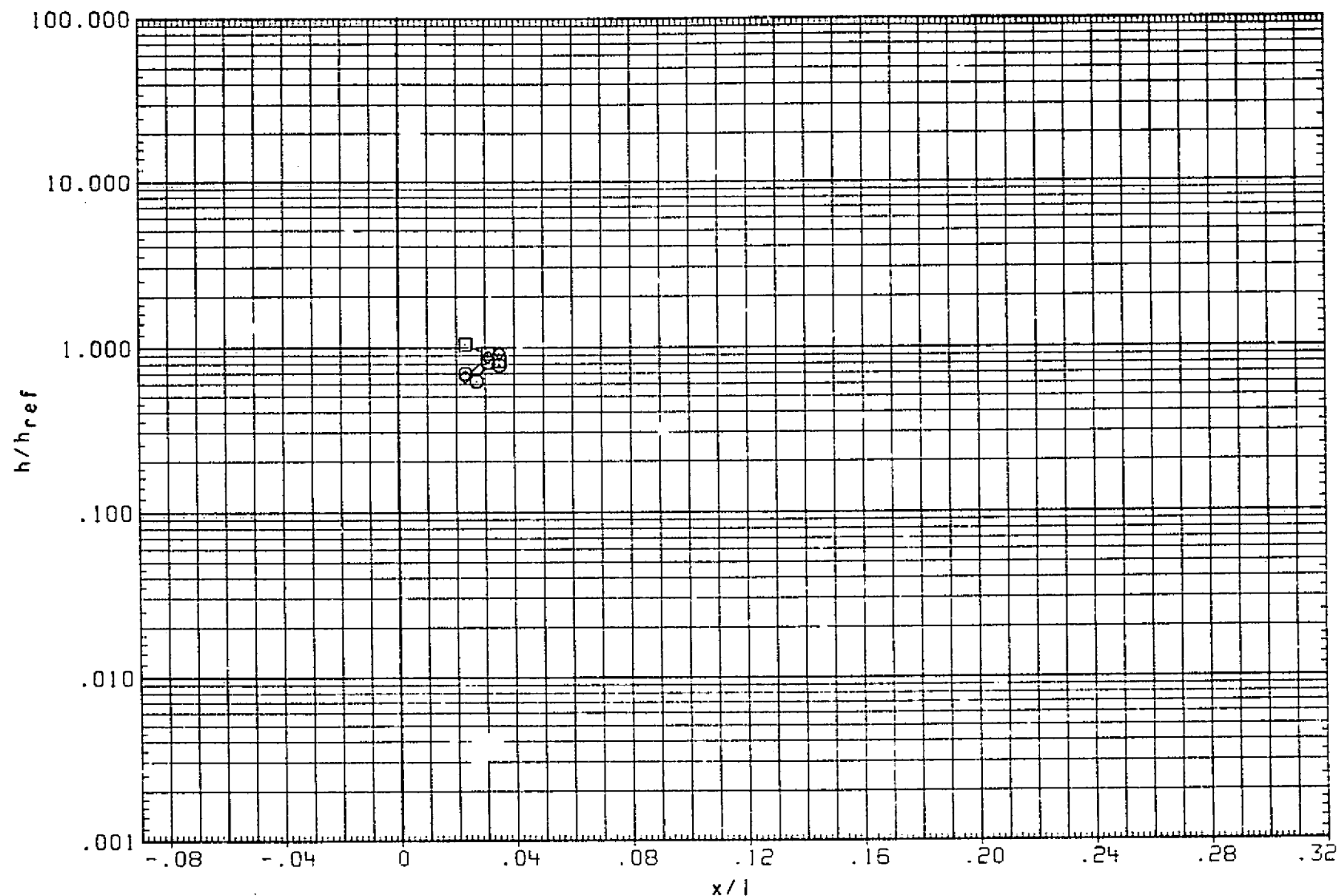


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

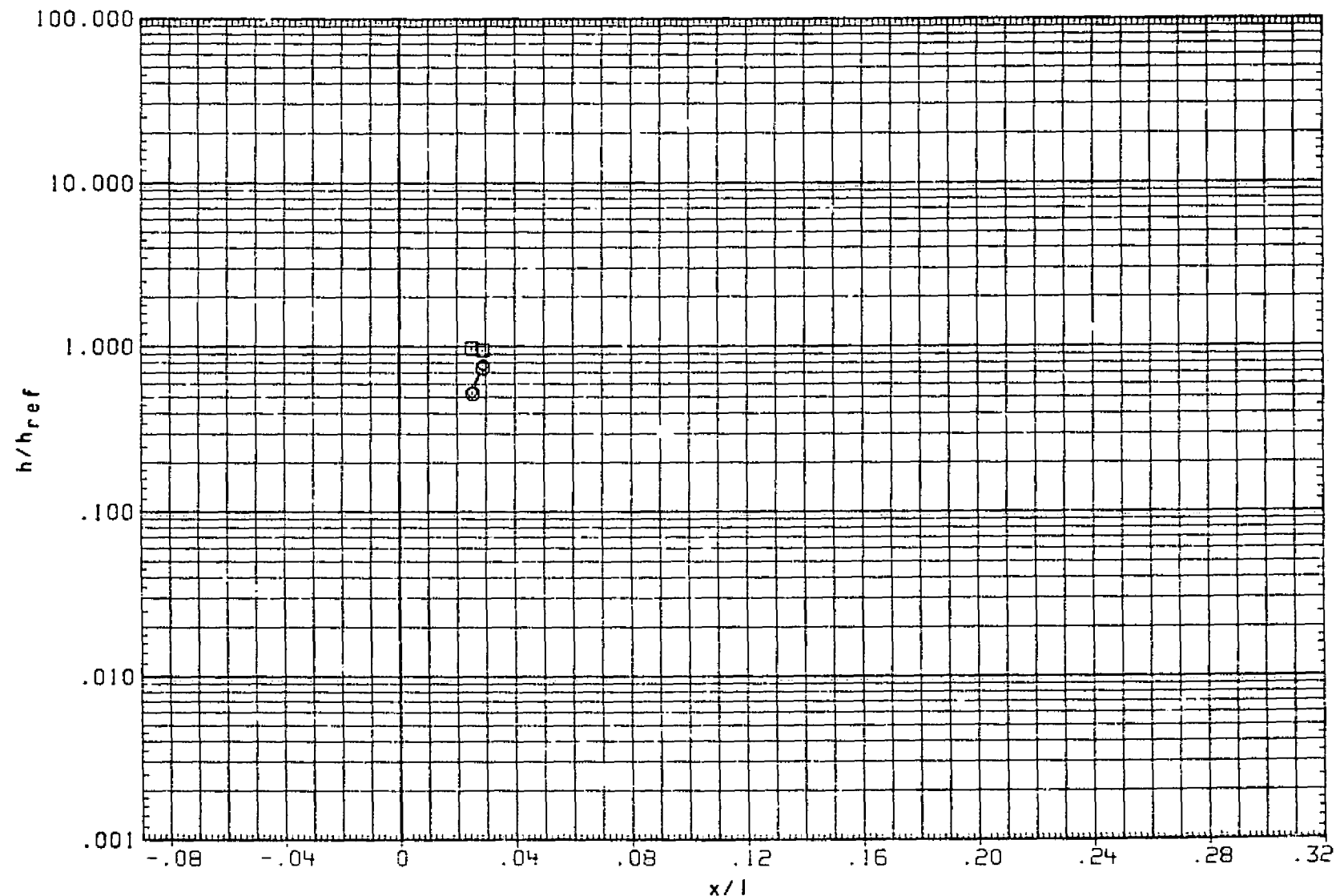


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

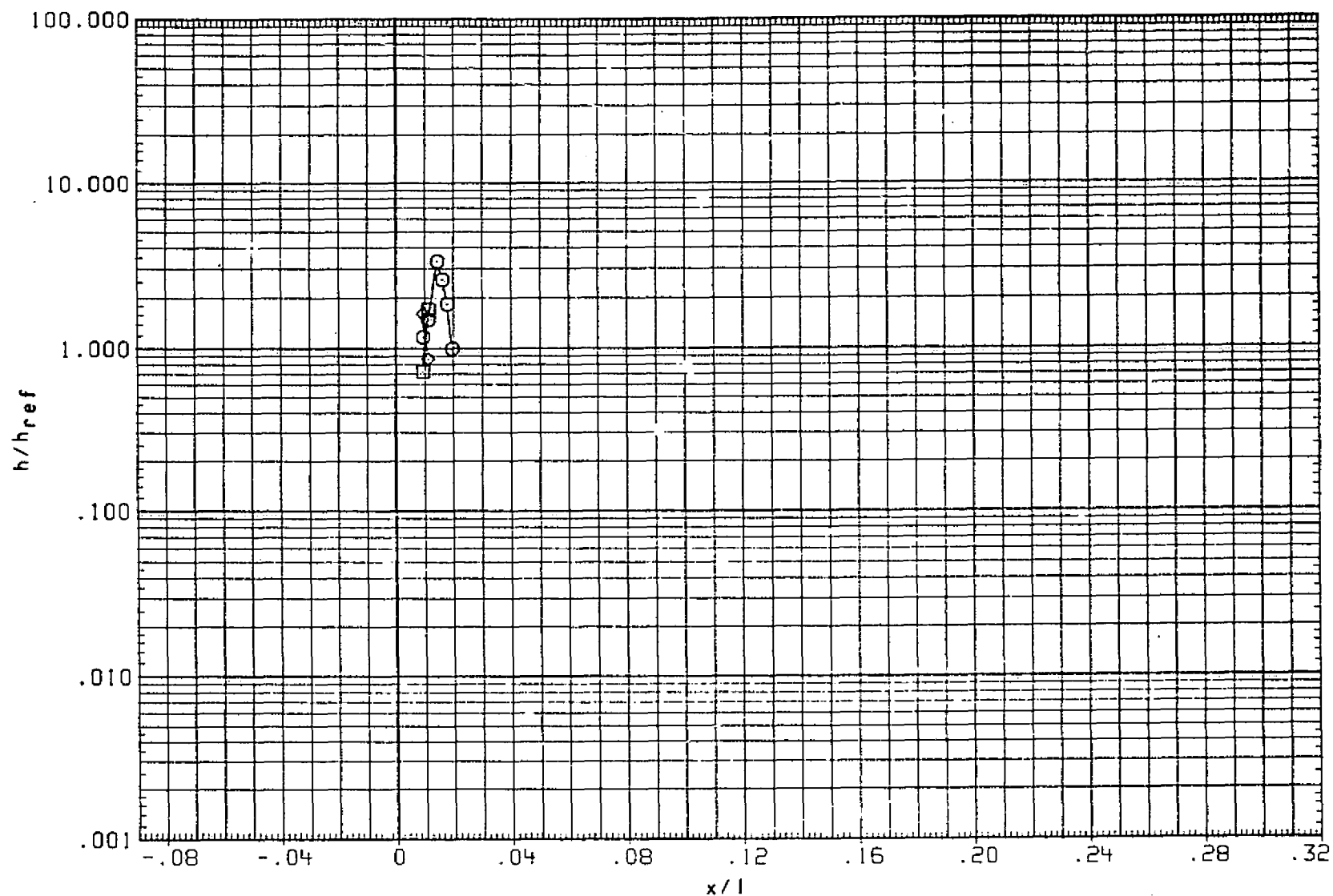


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

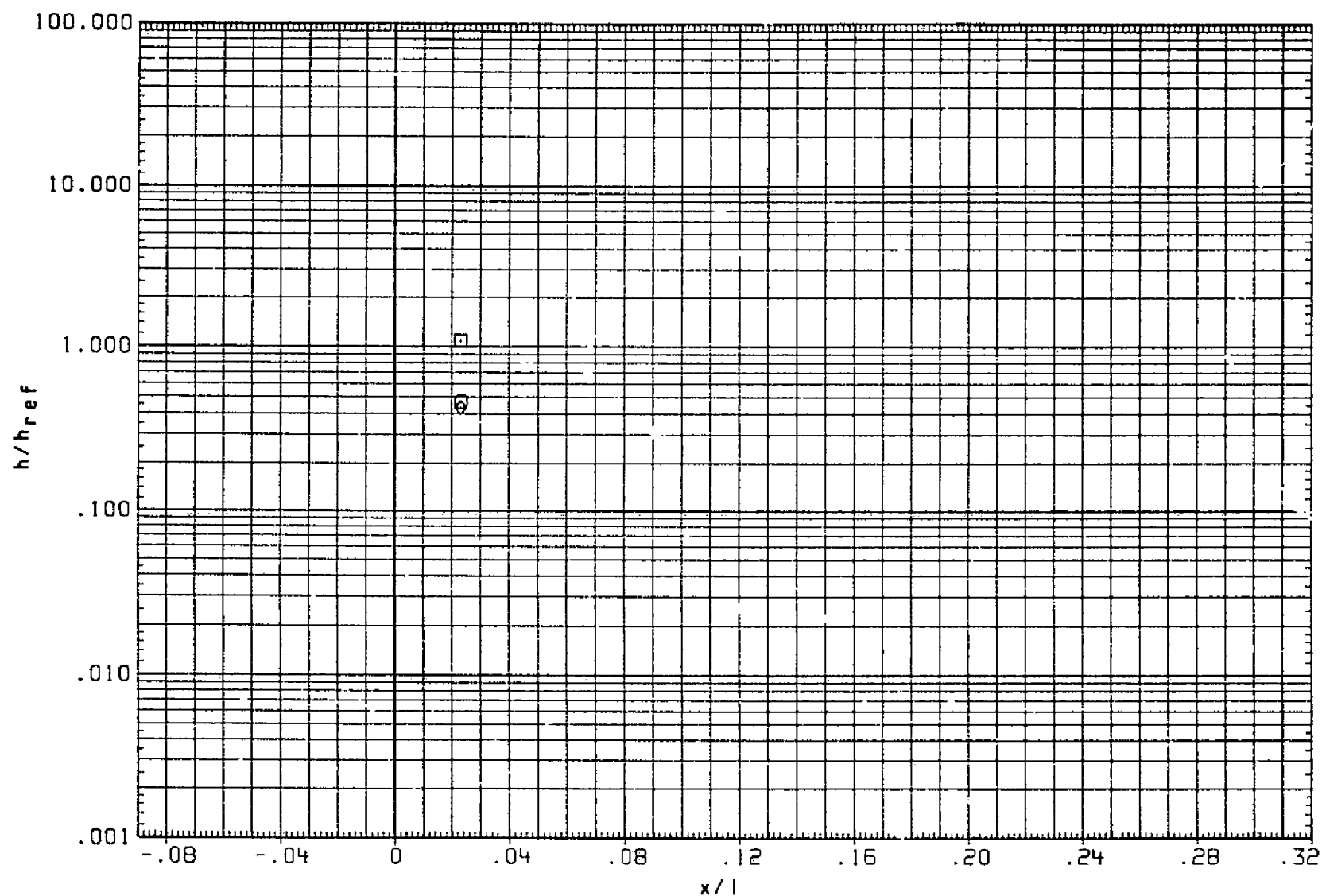


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)	.000	.000	5.000

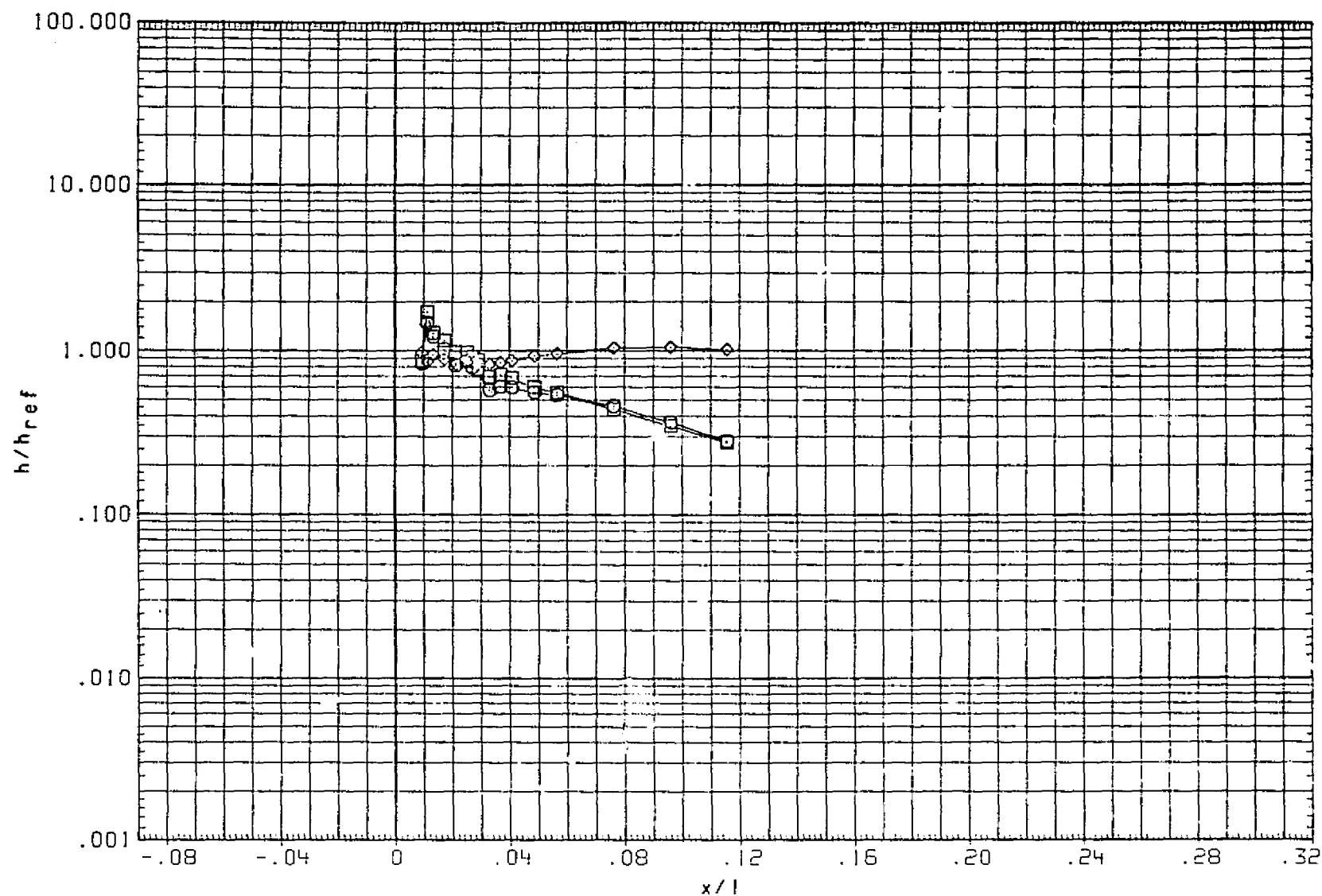


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

PAGE 1081

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE 1CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

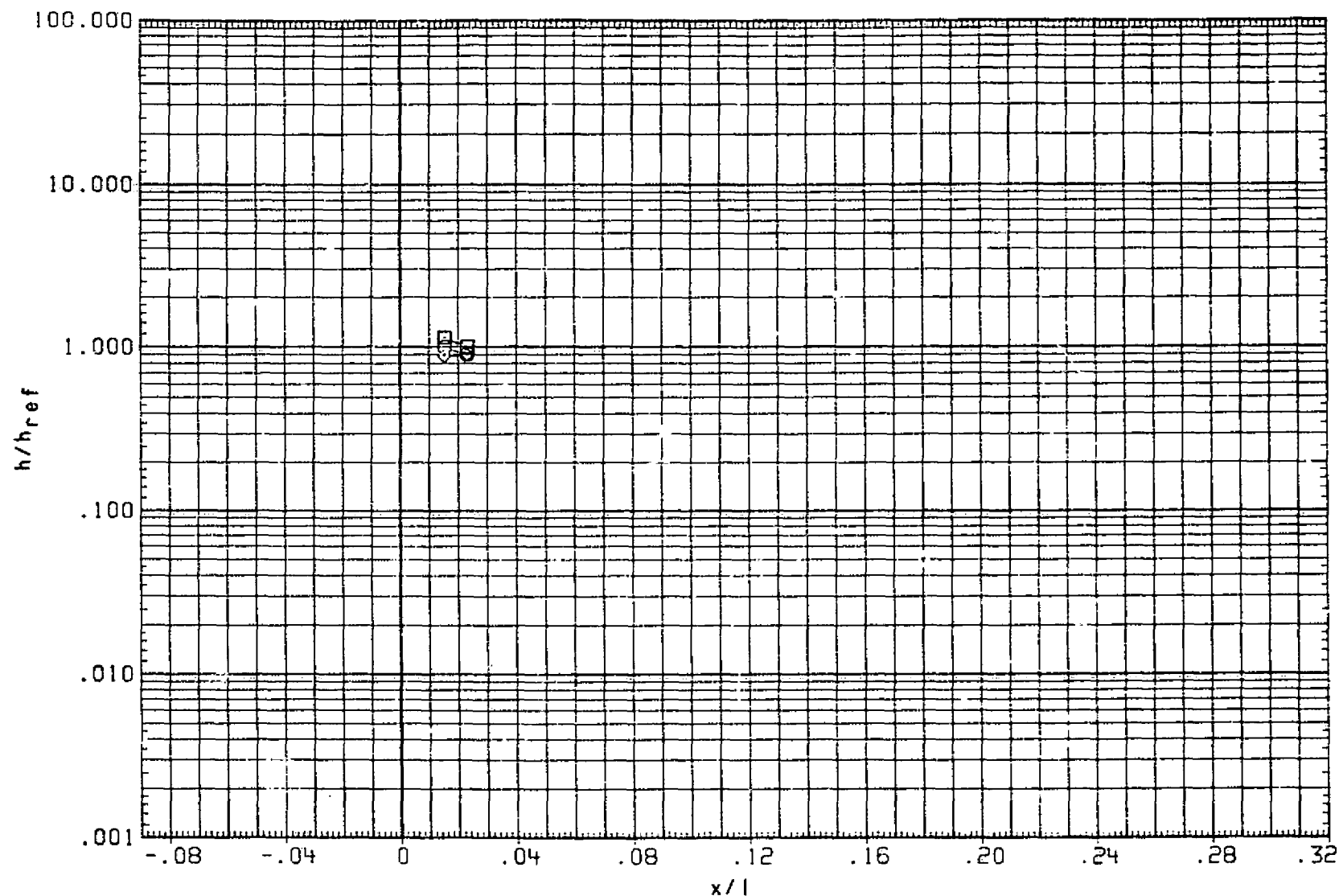


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)	.000	.000	5.000

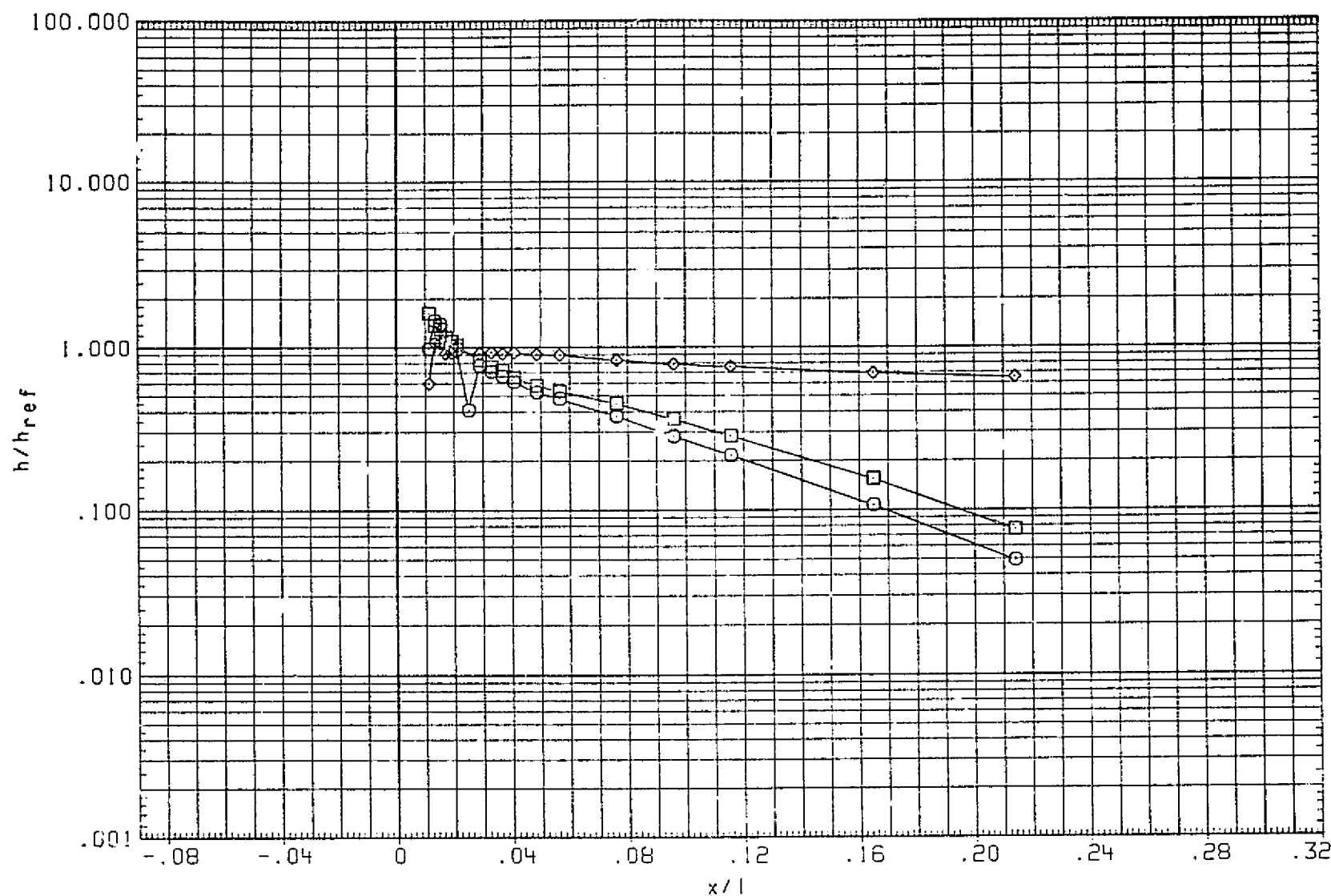


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

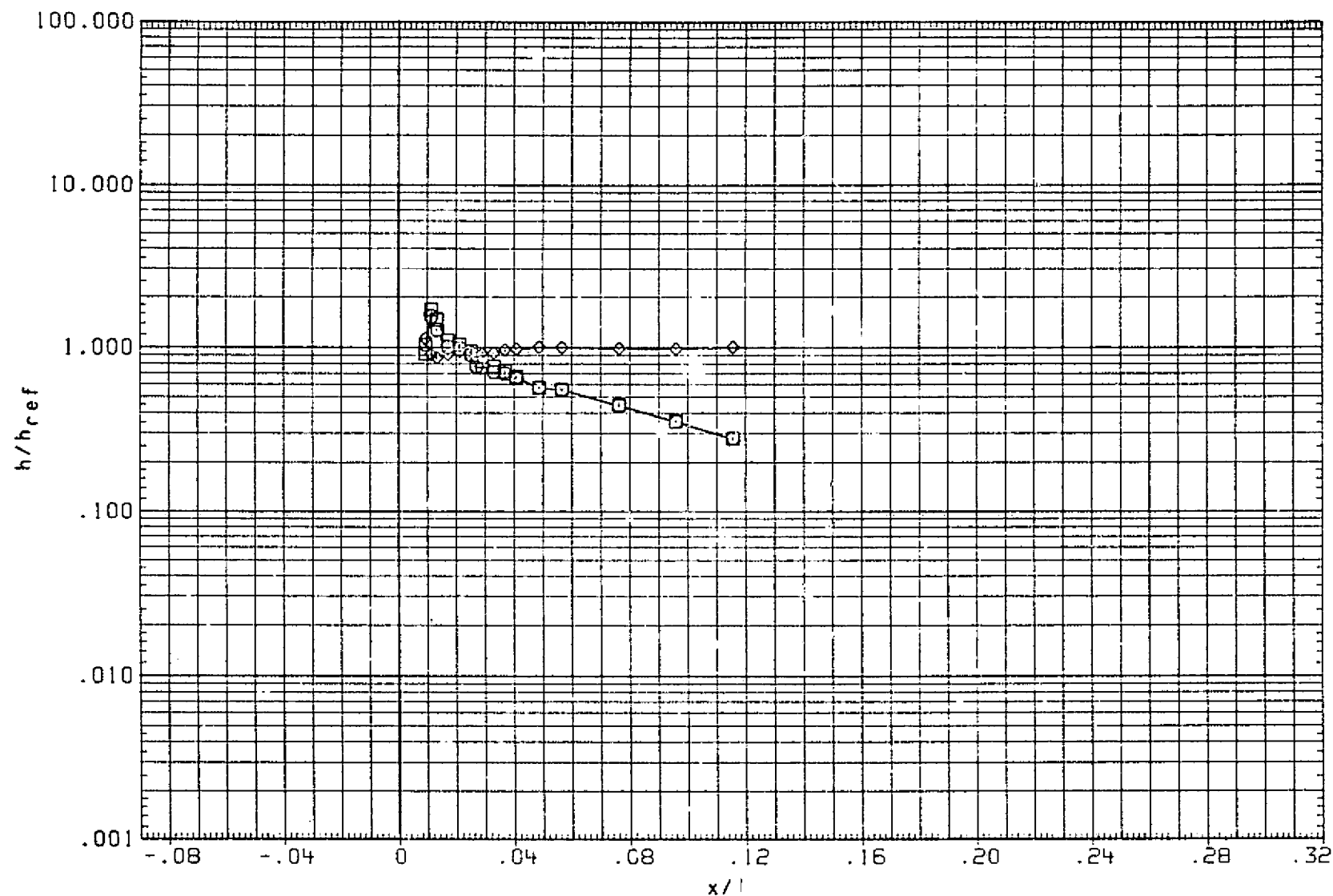


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

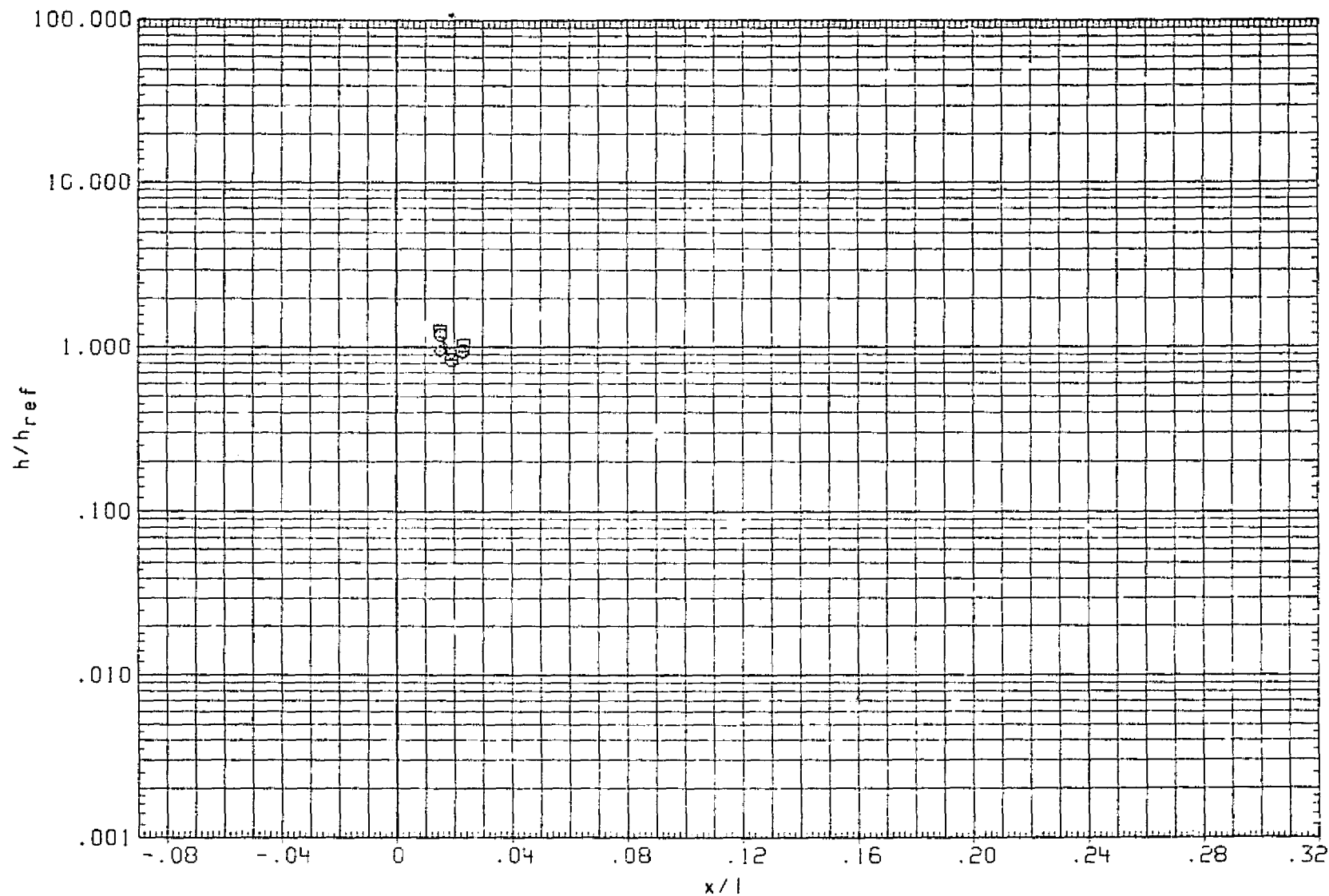


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)	.000	.000	5.000

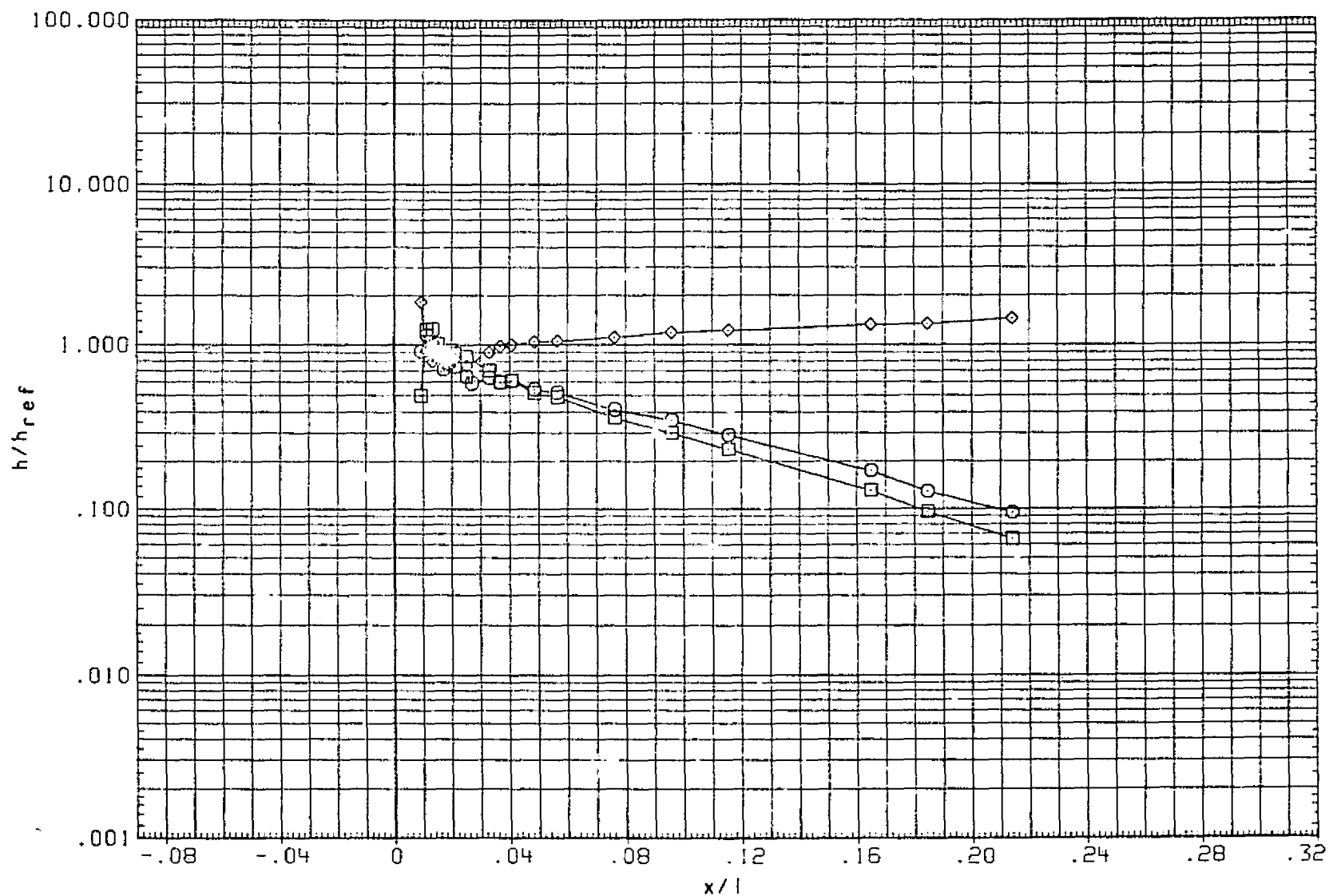


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

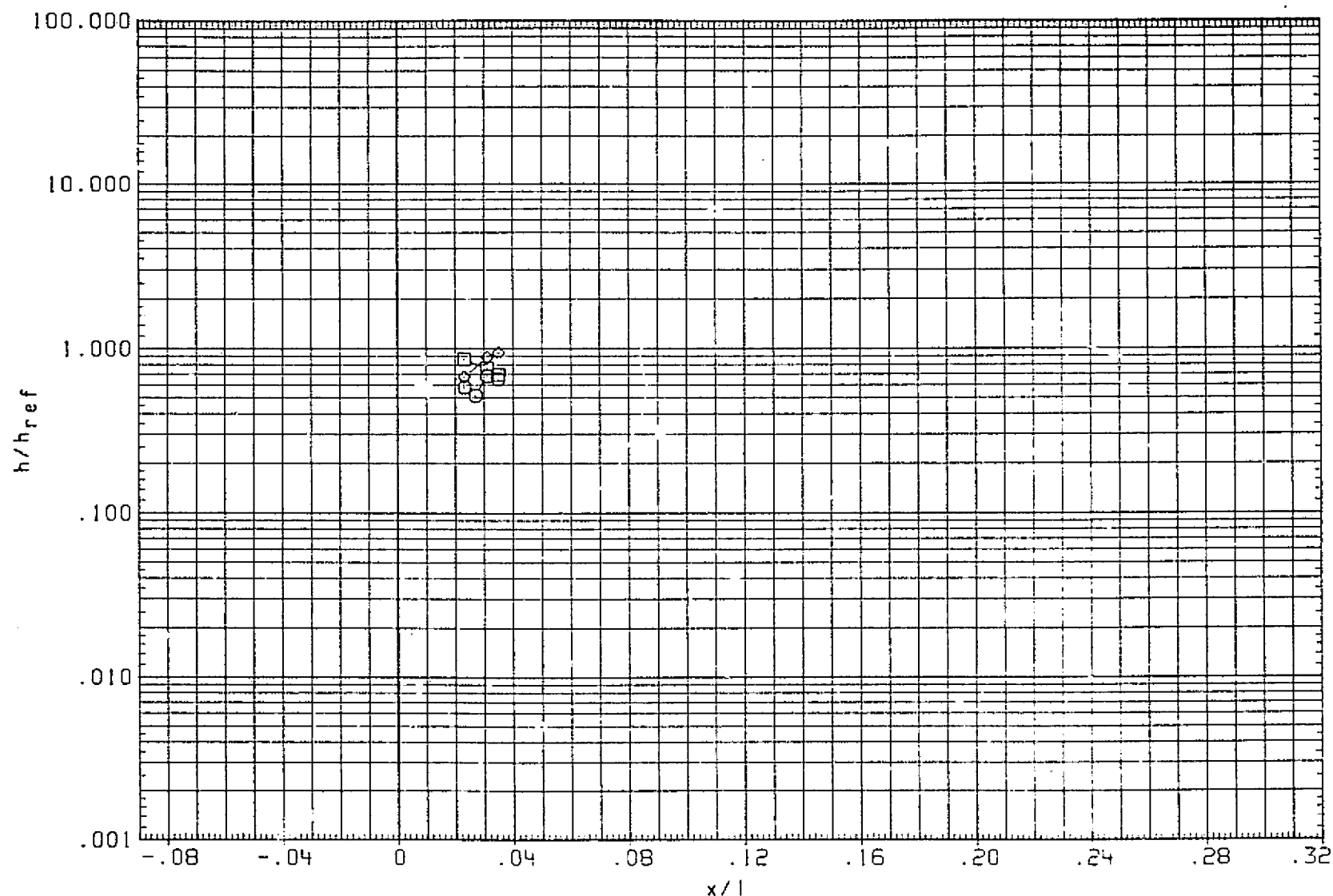


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT04	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
IRNTT20	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
ICNTT04	◇	ARC3.5-215(FH14) HI/HU (IRNTT04/IRNTT20)		.000	5.000

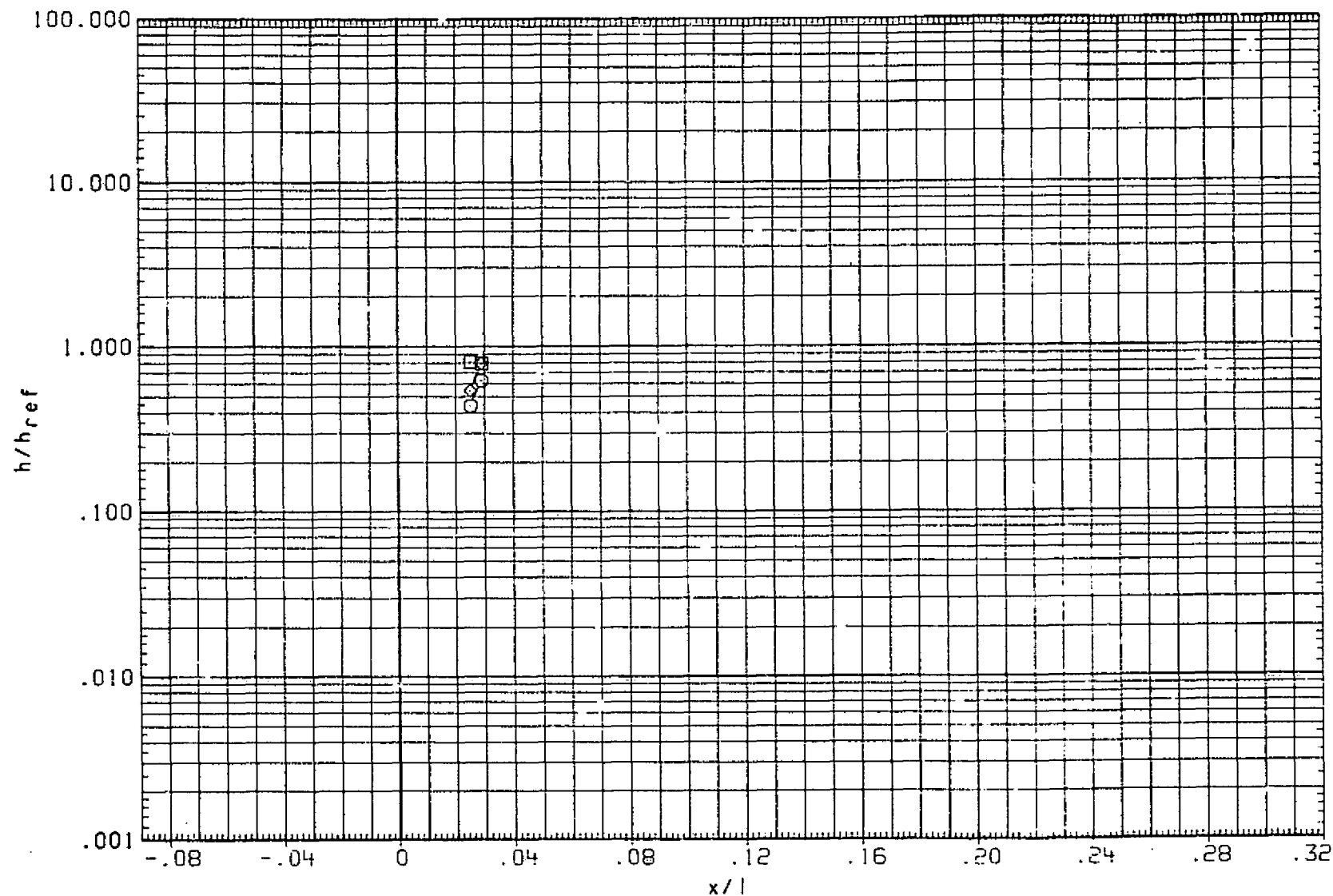


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(RNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

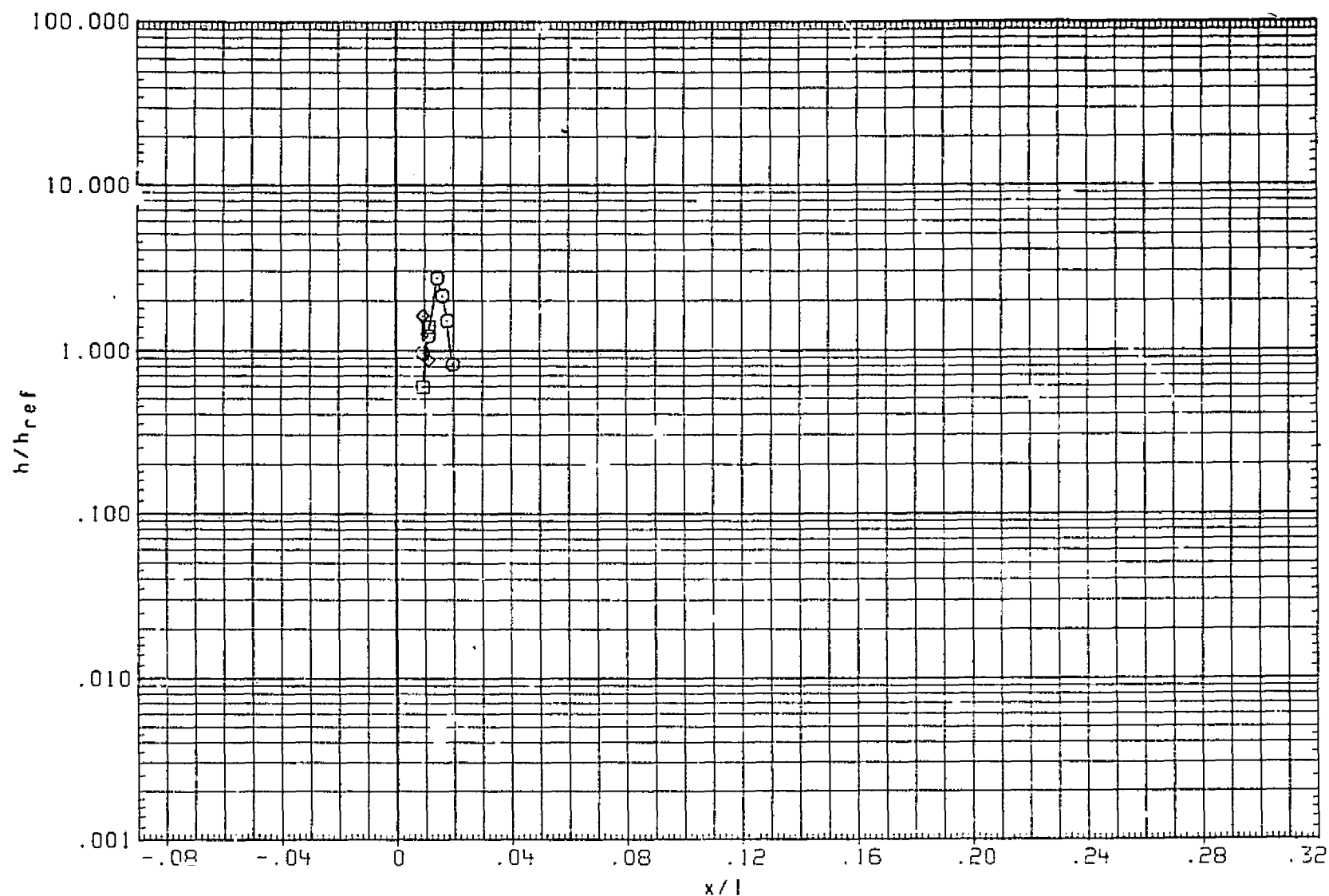


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1089

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.300
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

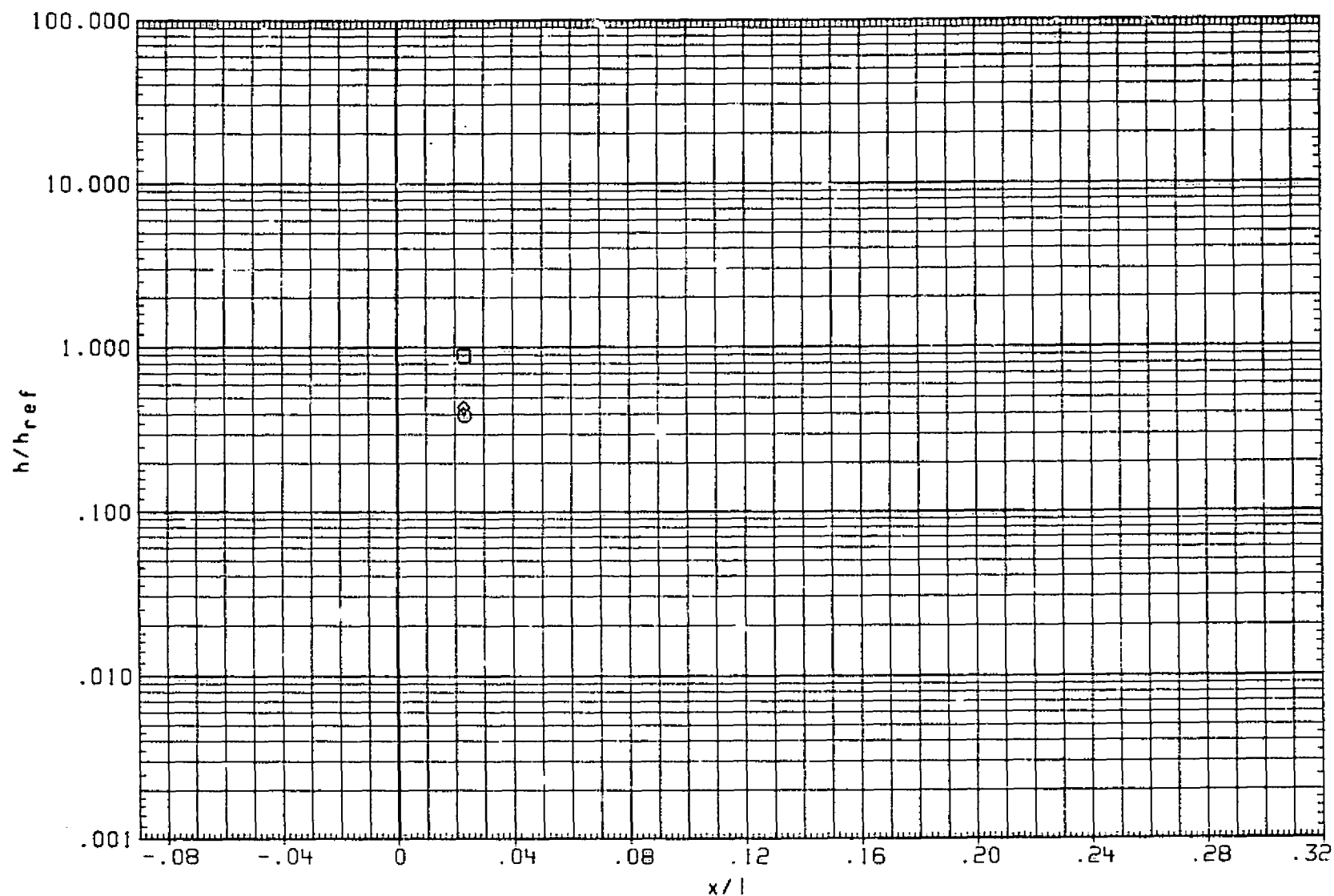


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.30	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

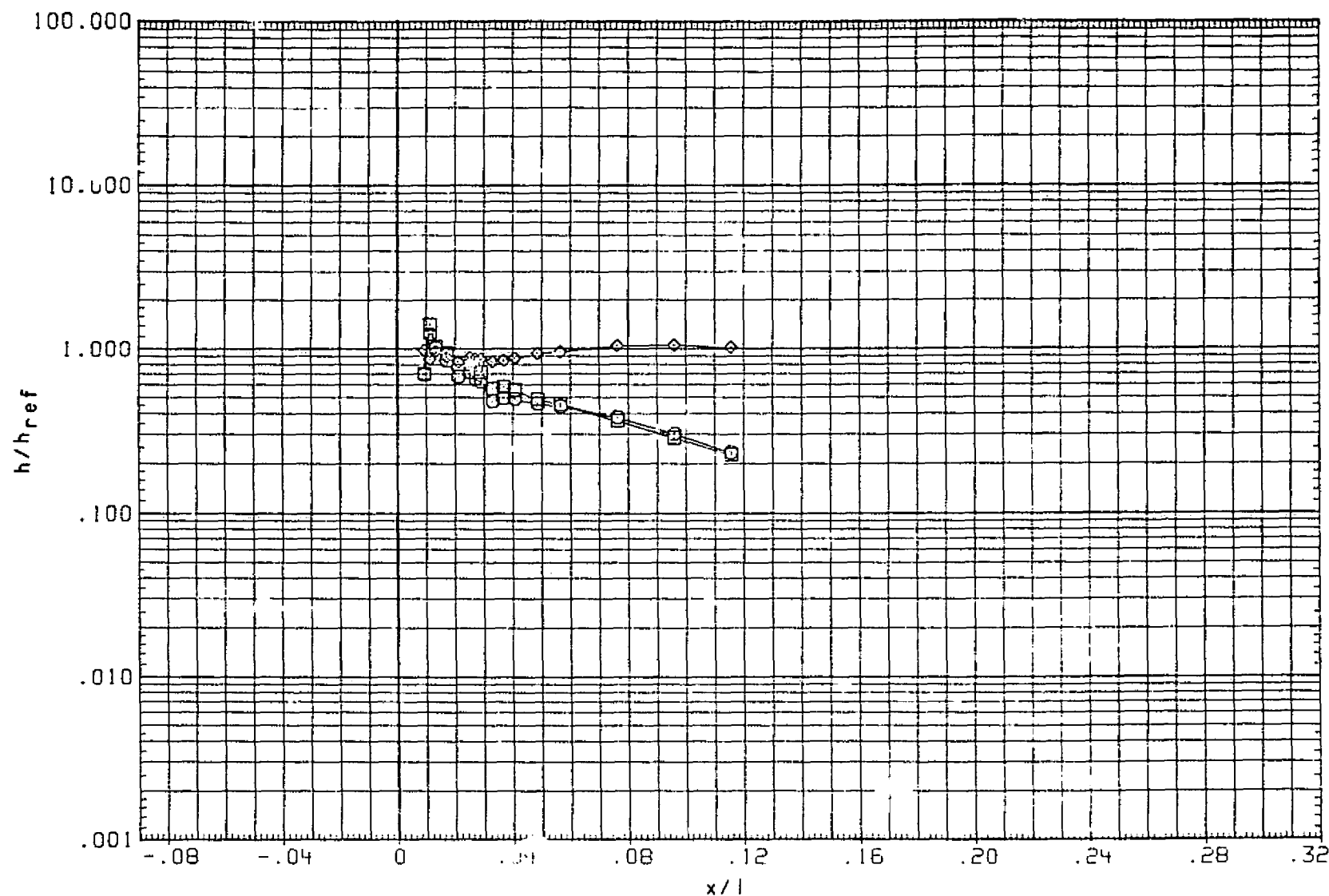


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)		.000	5.000

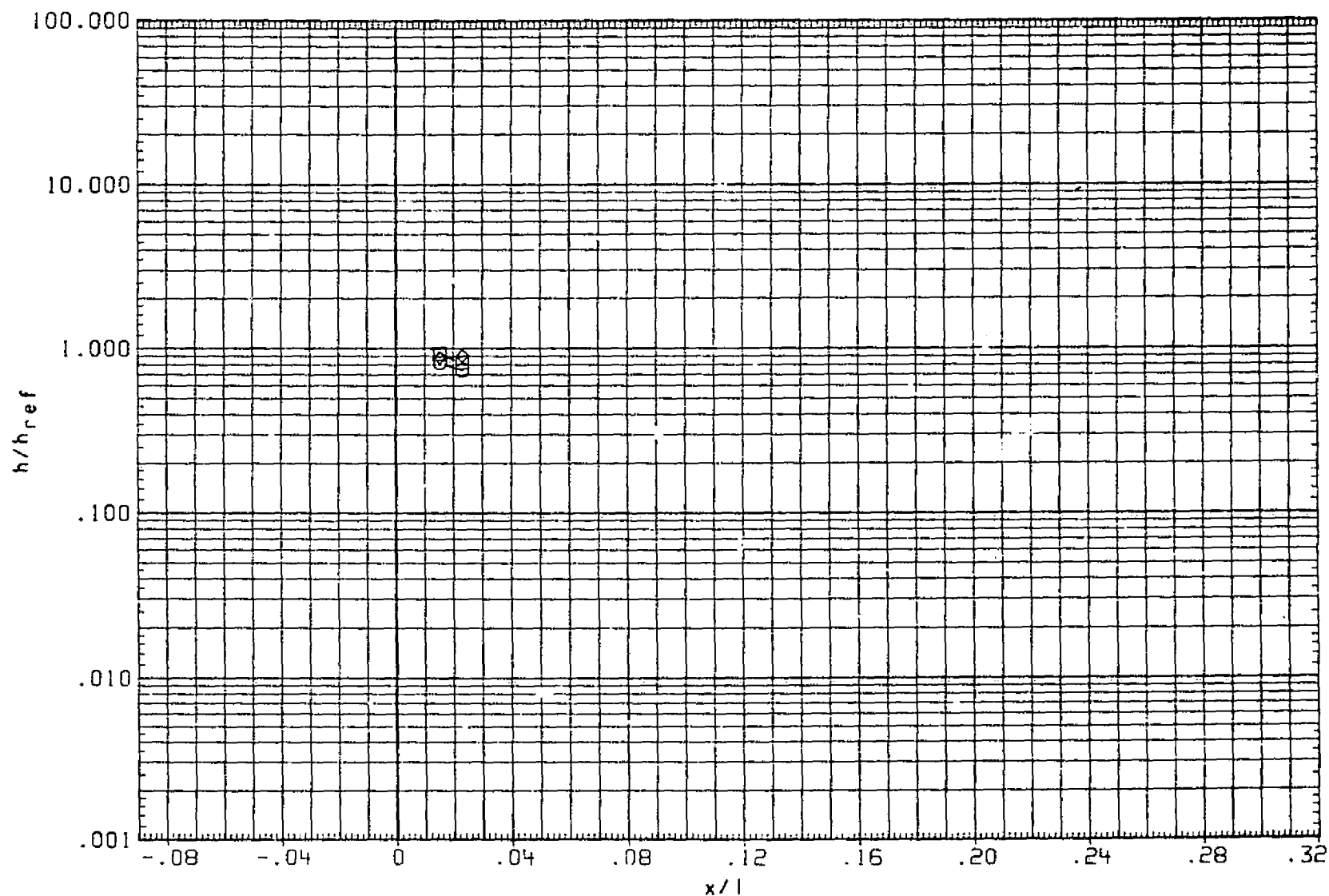


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

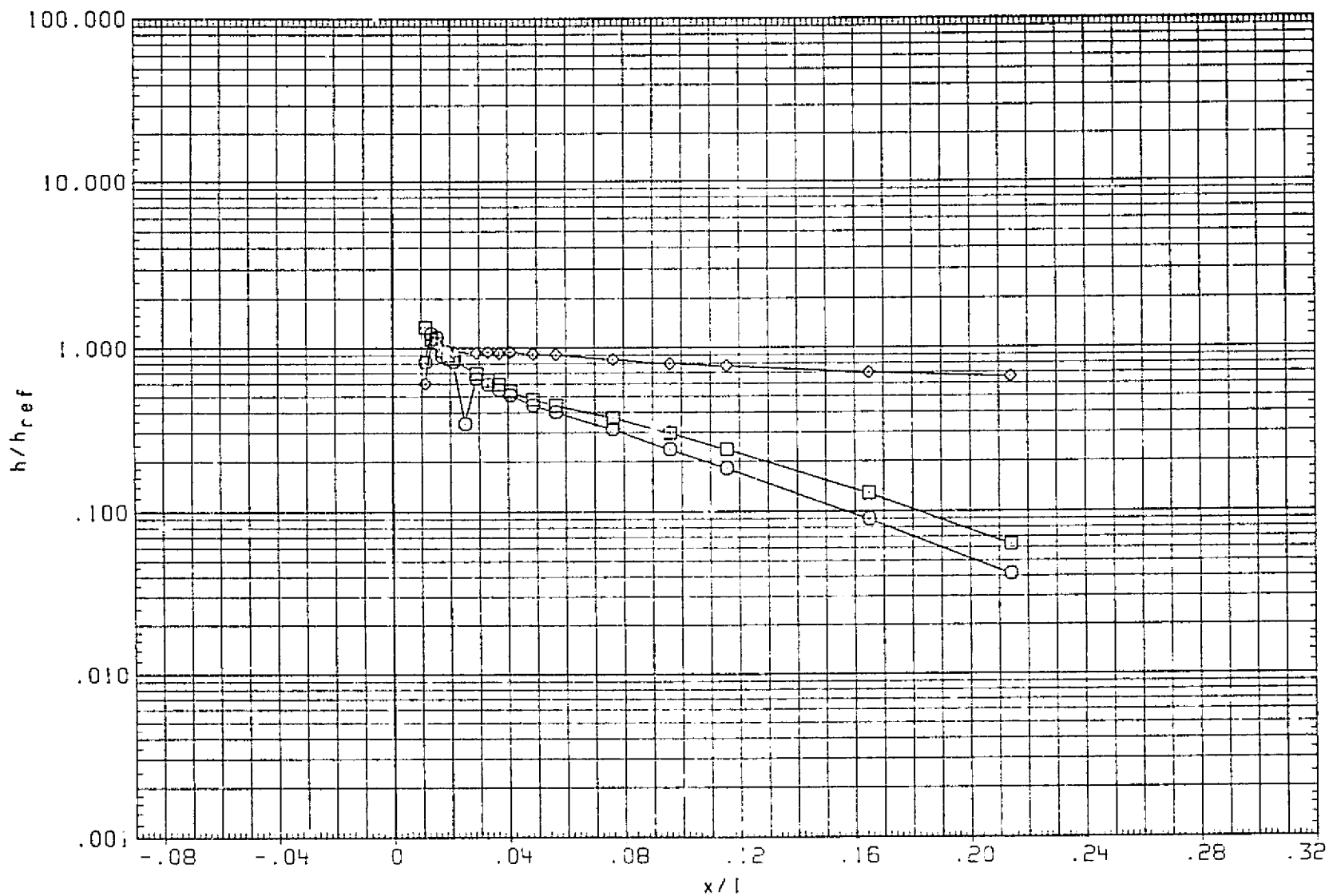


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000. THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) HI/HU (RNTT04/RNTT20)	.000	.000	5.000

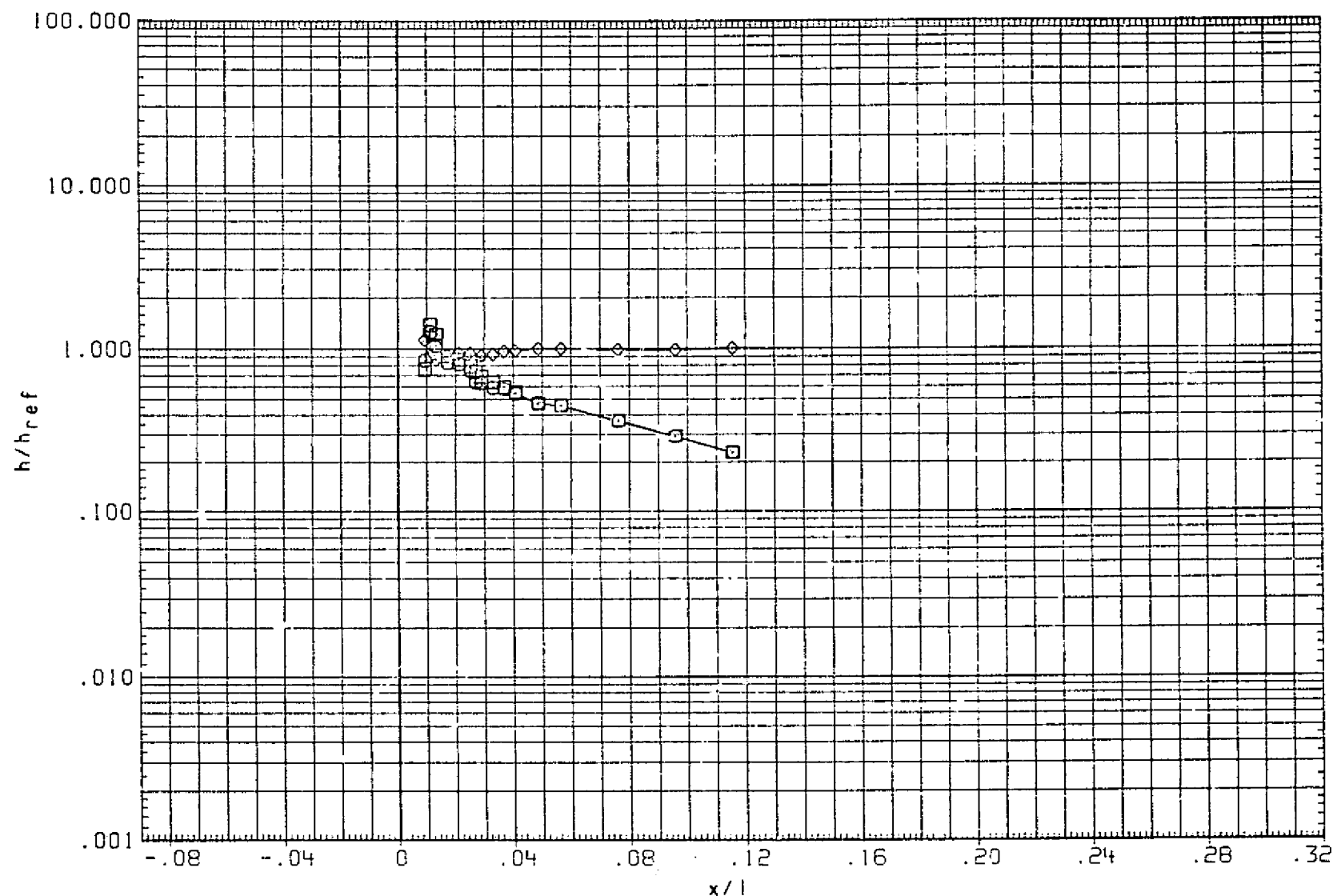


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT04)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT04)	◇	ARC3.5-215(FH14) H1/HU (RNTT04/RNTT20)		.000	5.000

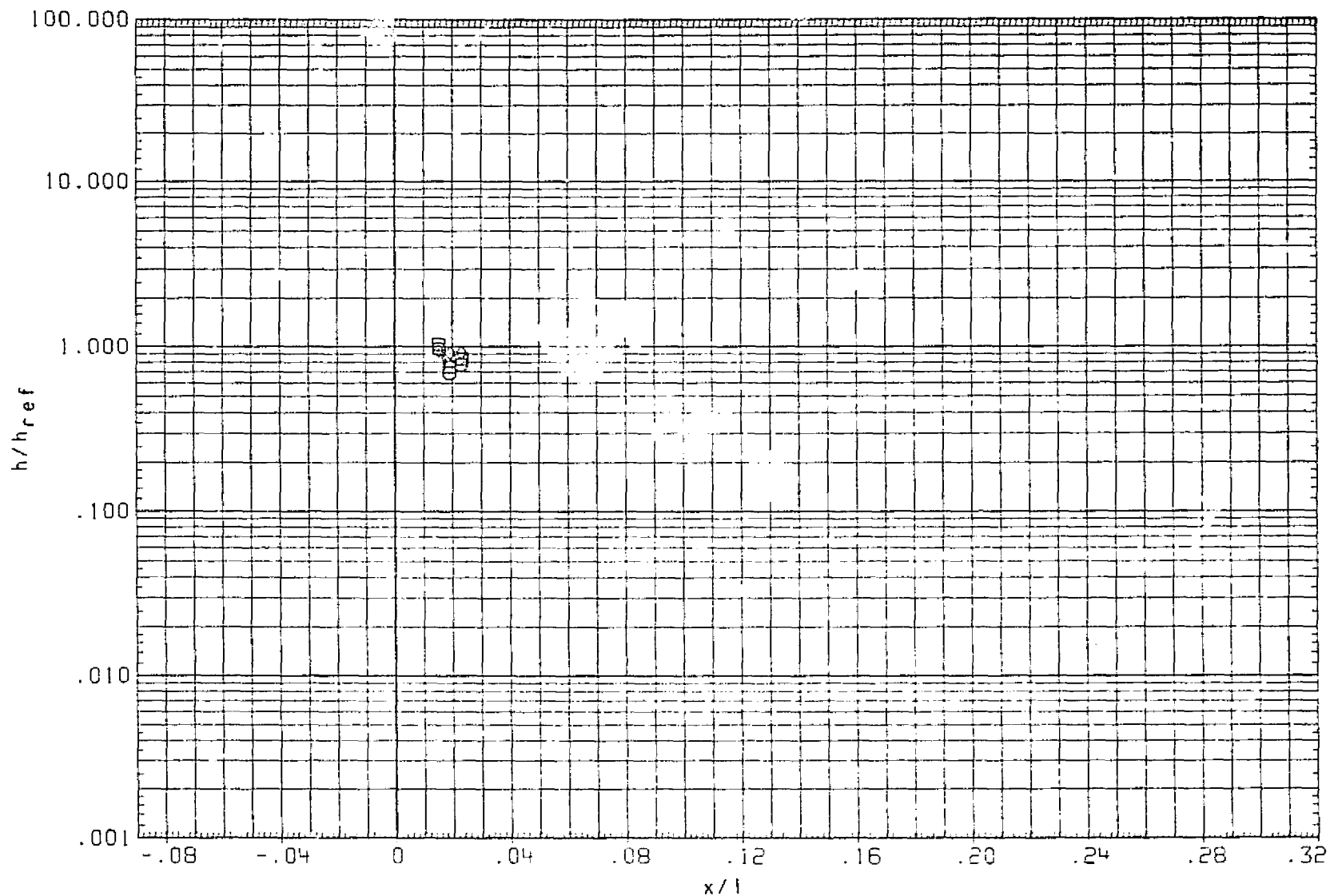


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

PAGE 1095

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT05)  $\square$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB  
 (RNTT20)  $\square$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)  
 (CNTT05)  $\diamond$  ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)

ALPHA BETA RN/L  
 .000 .000 5.000  
 .000 .000 5.000  
 .000 .000 5.000

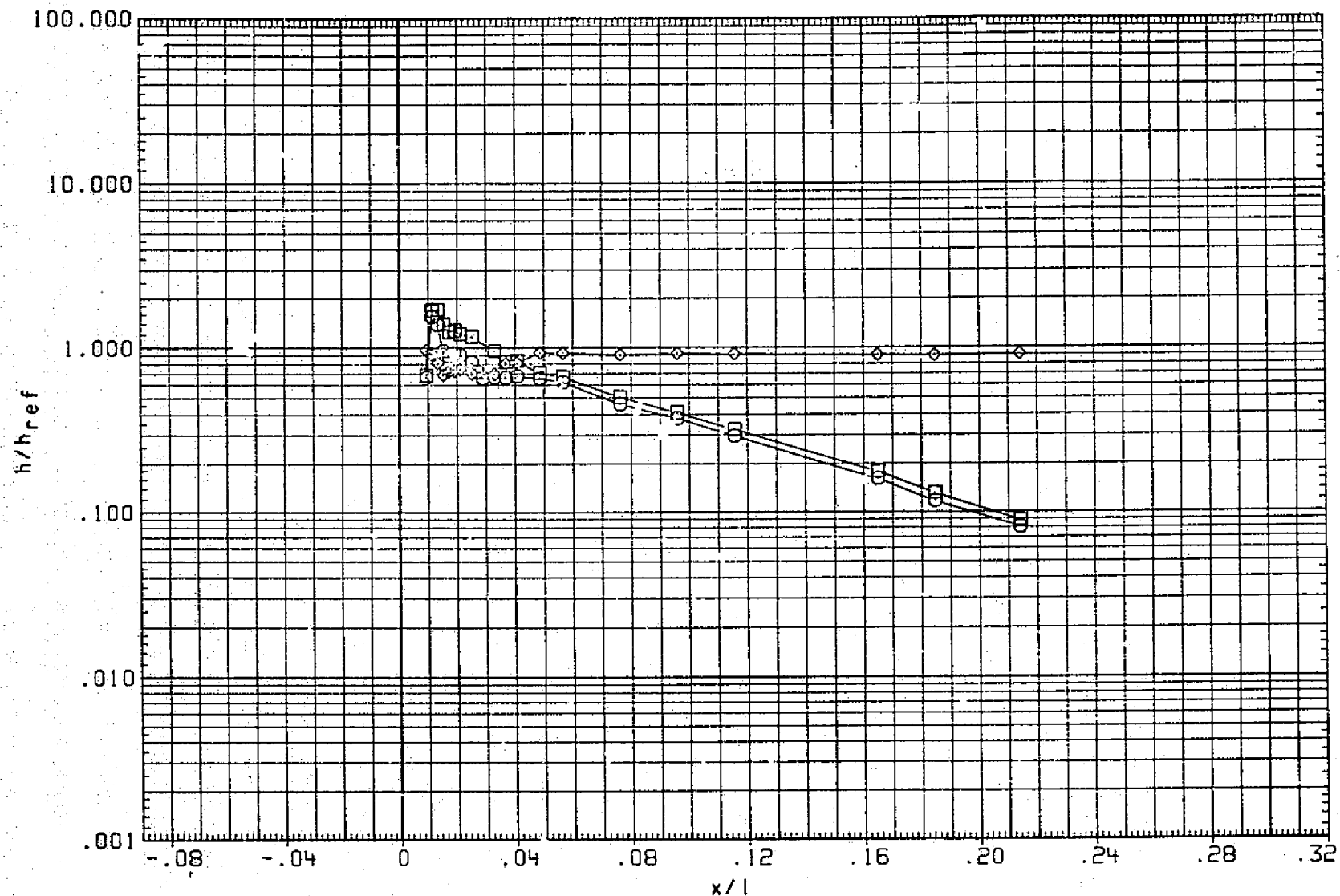


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

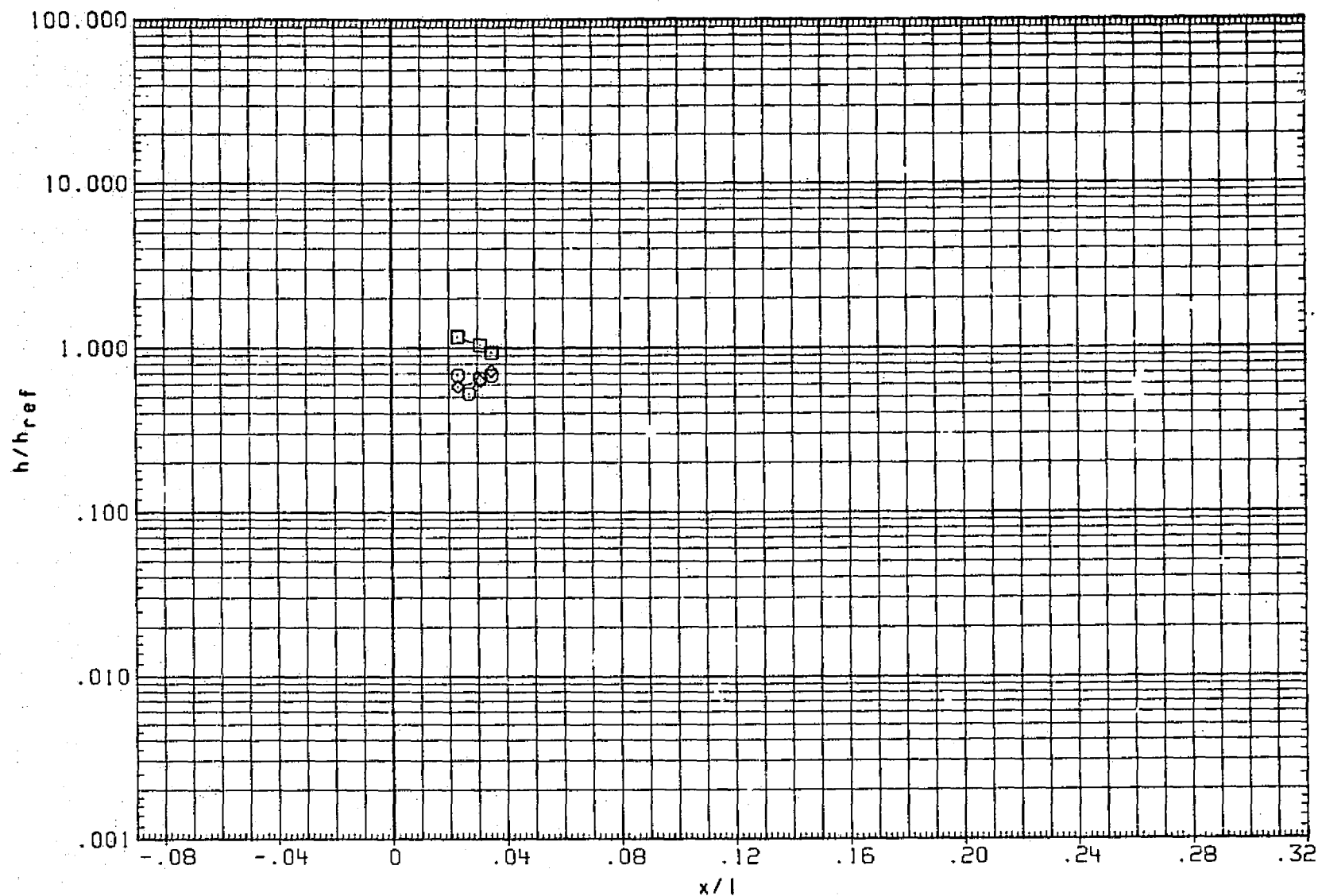


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

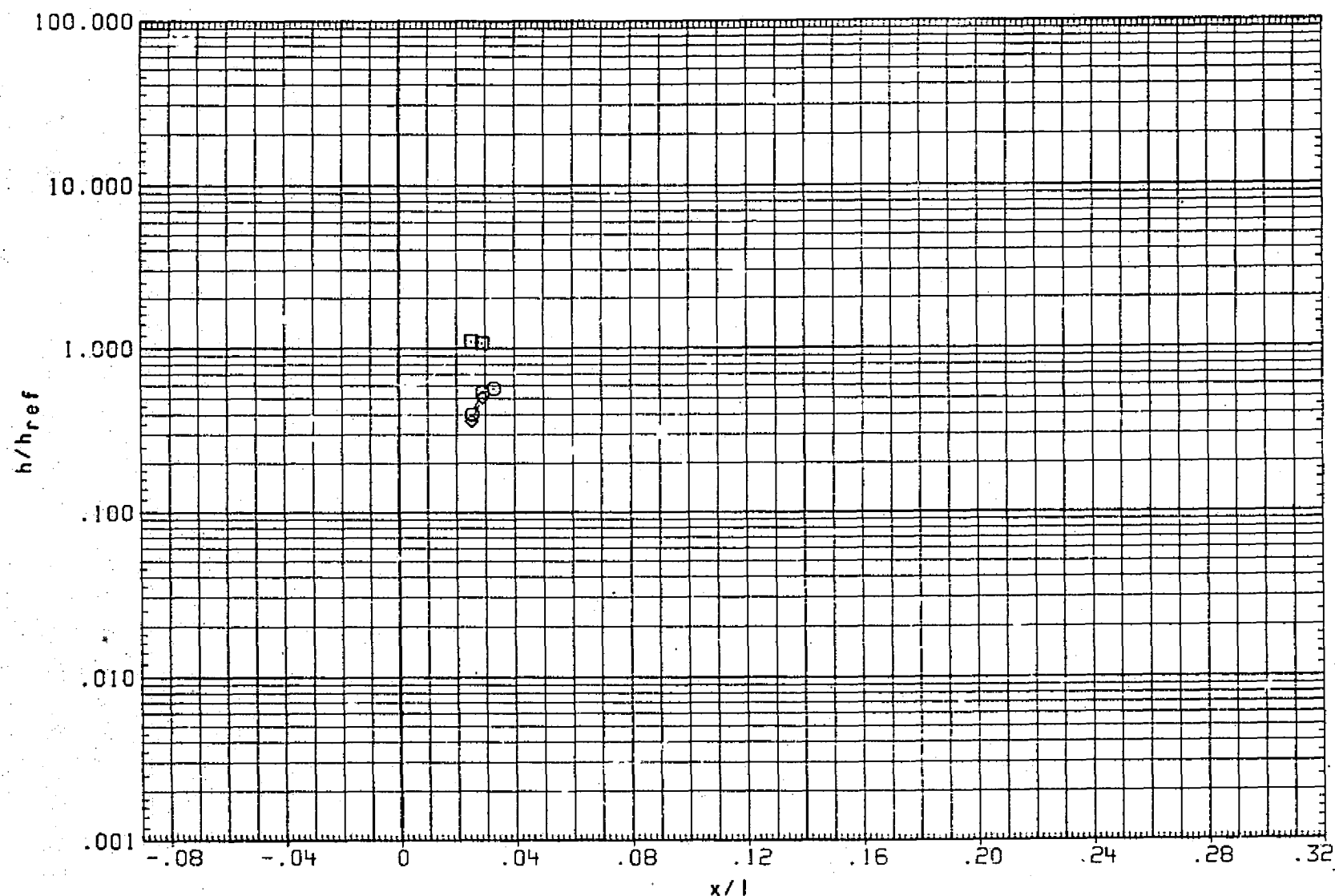


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

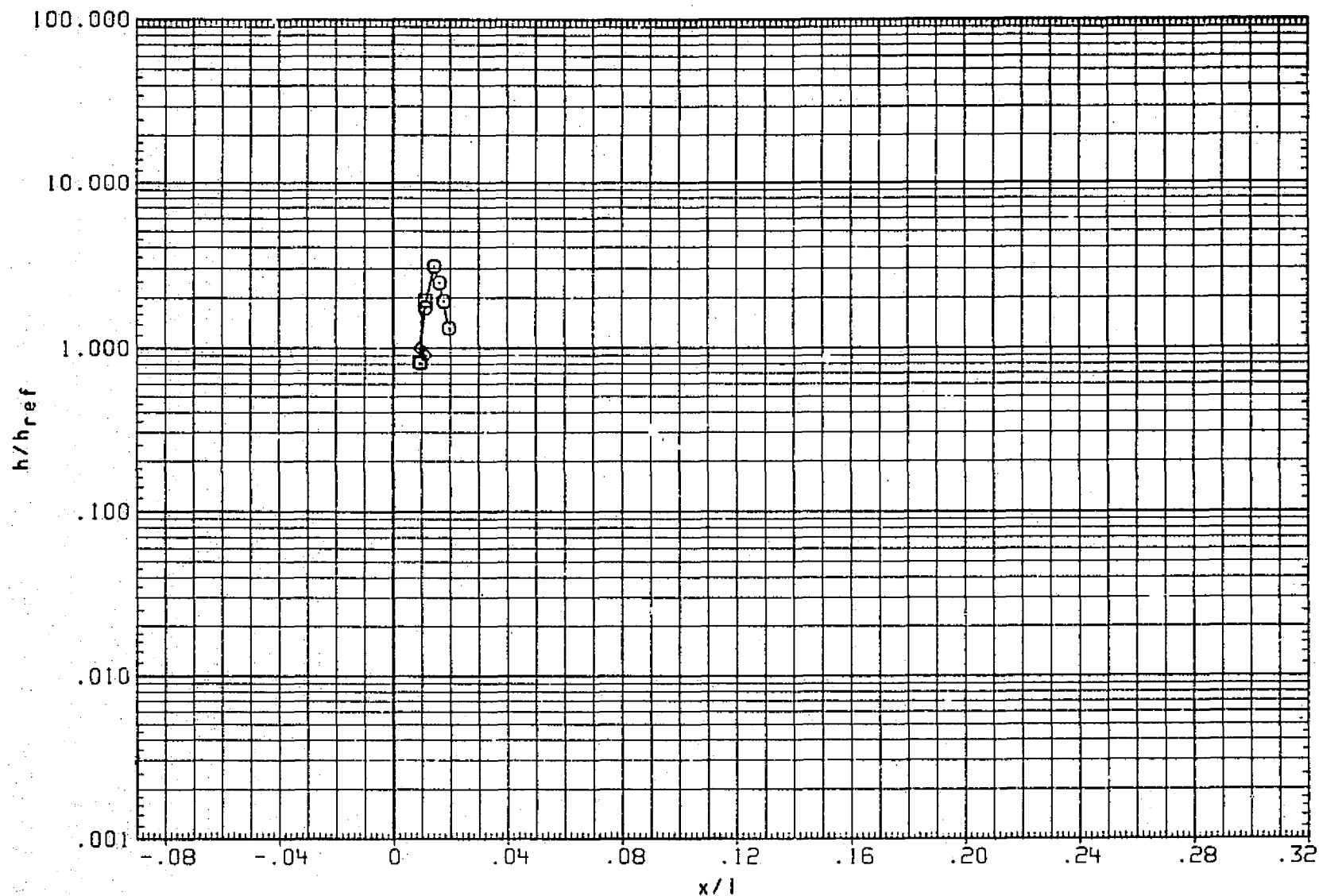


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

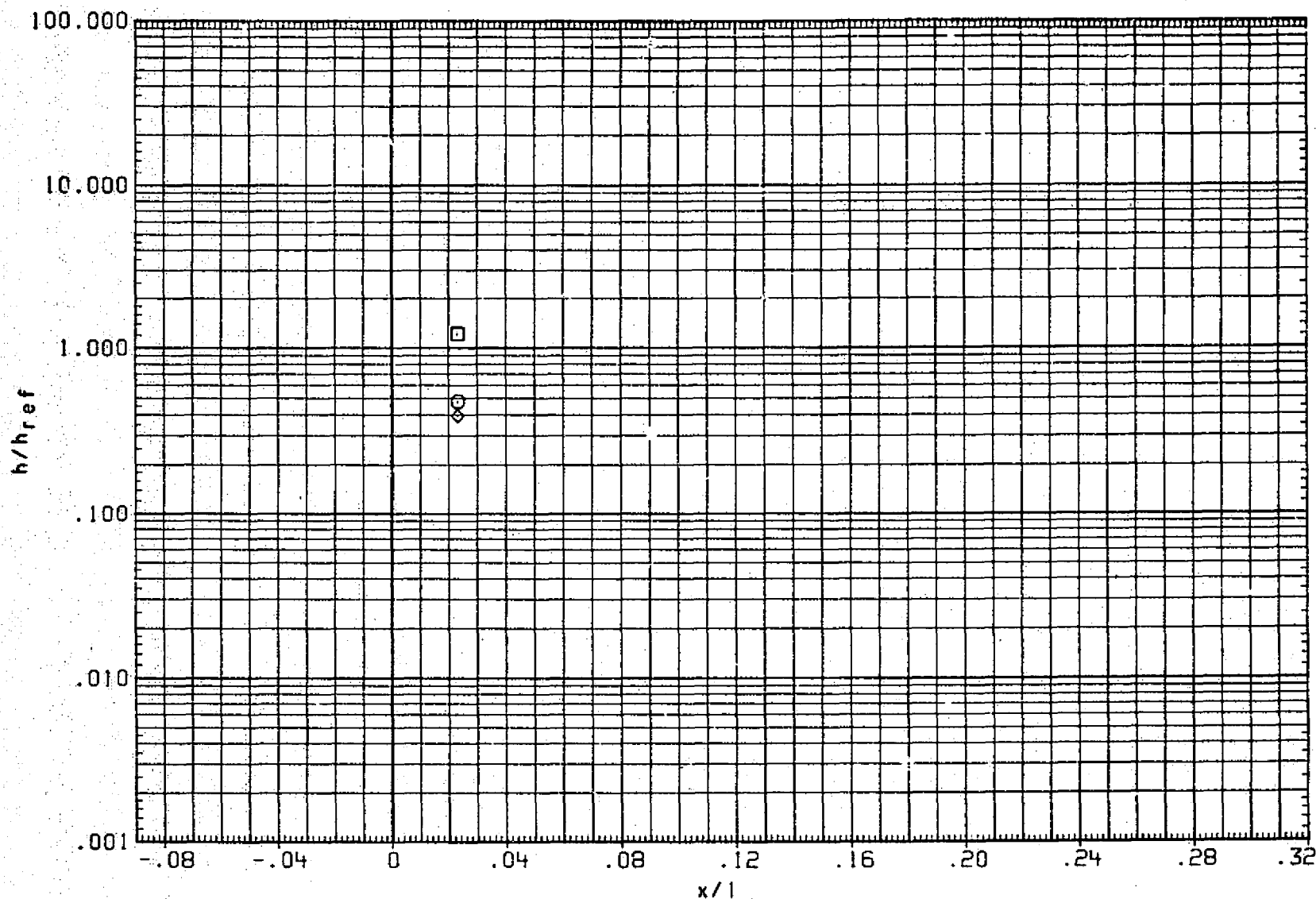


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1100

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

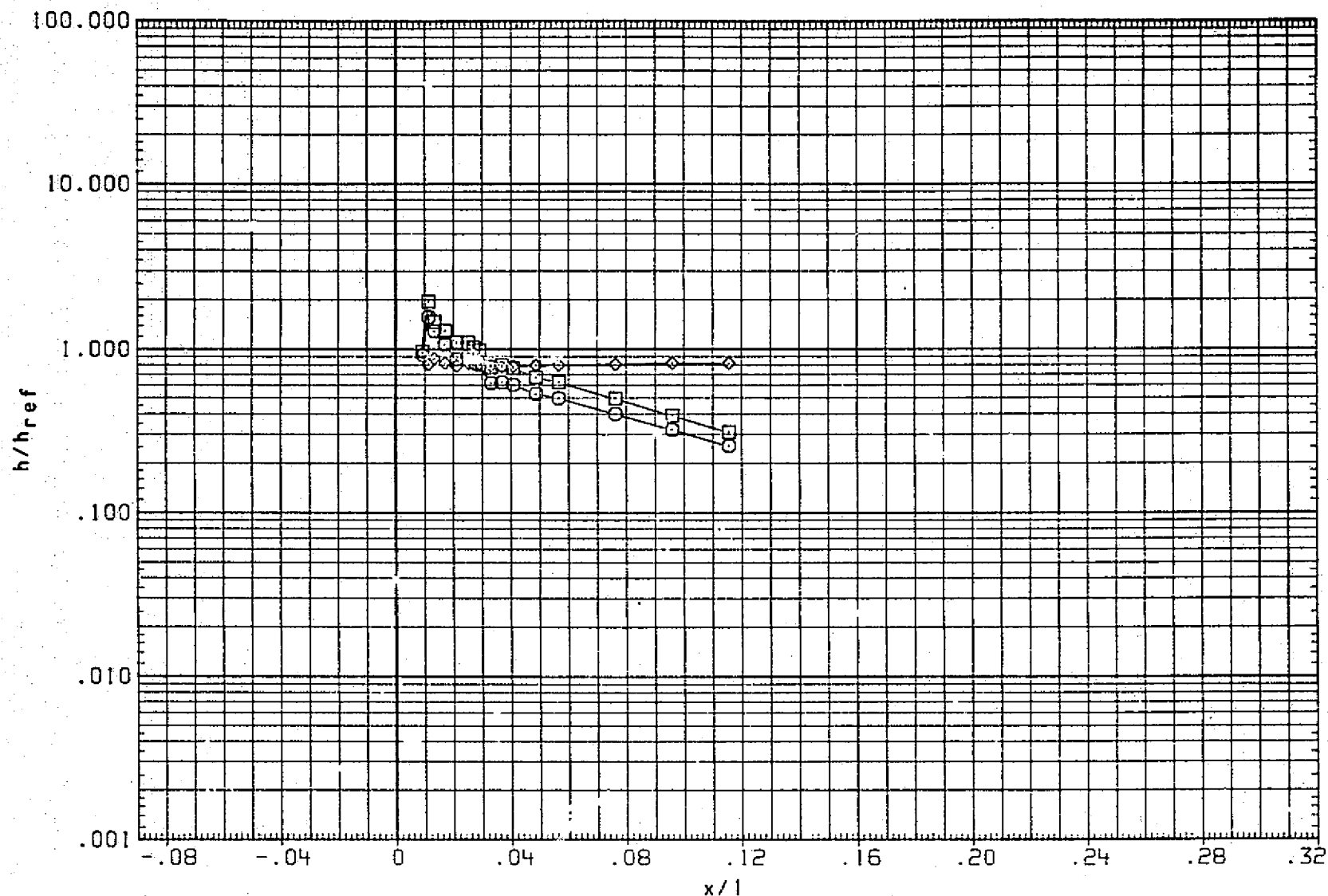


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 1101



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

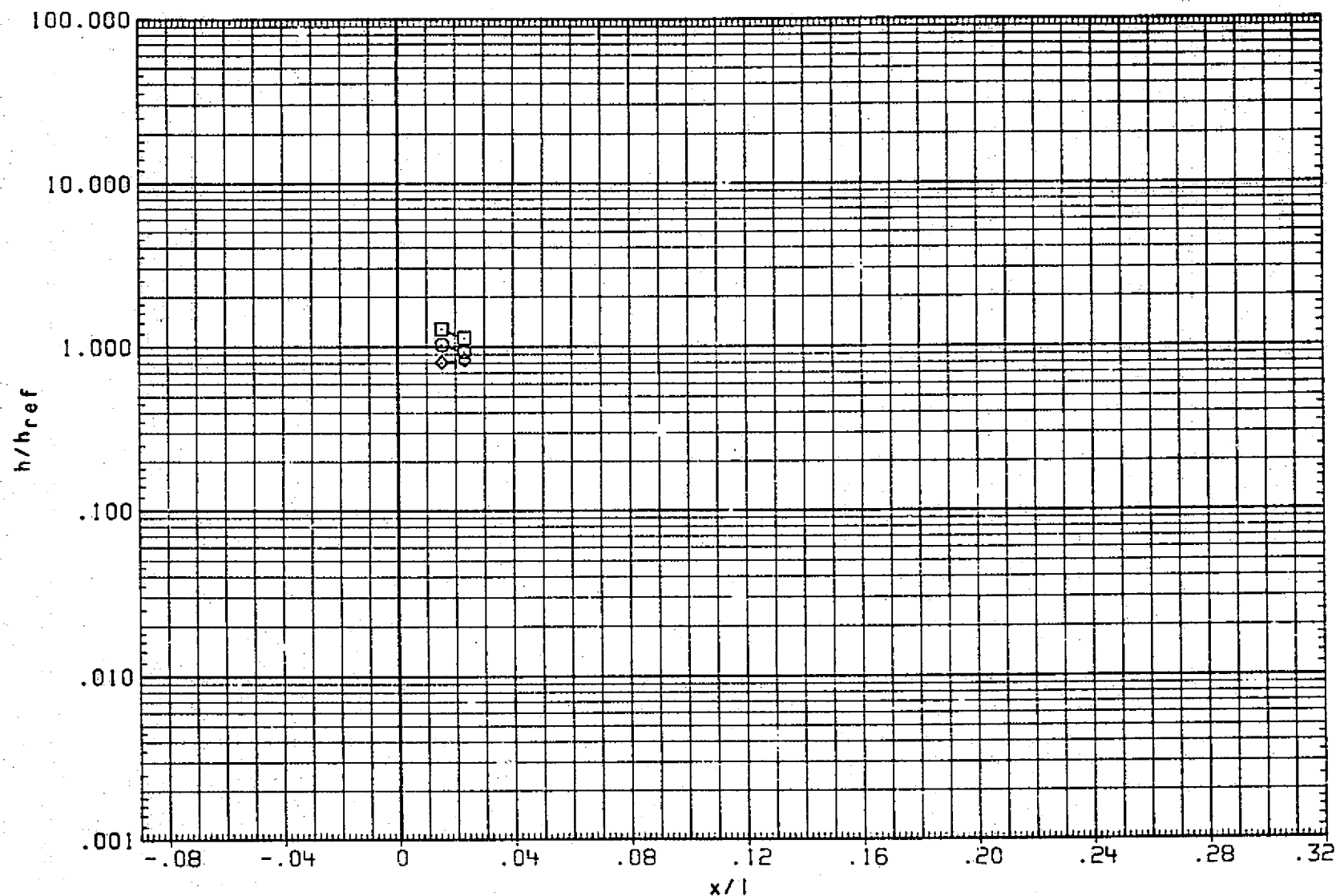


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

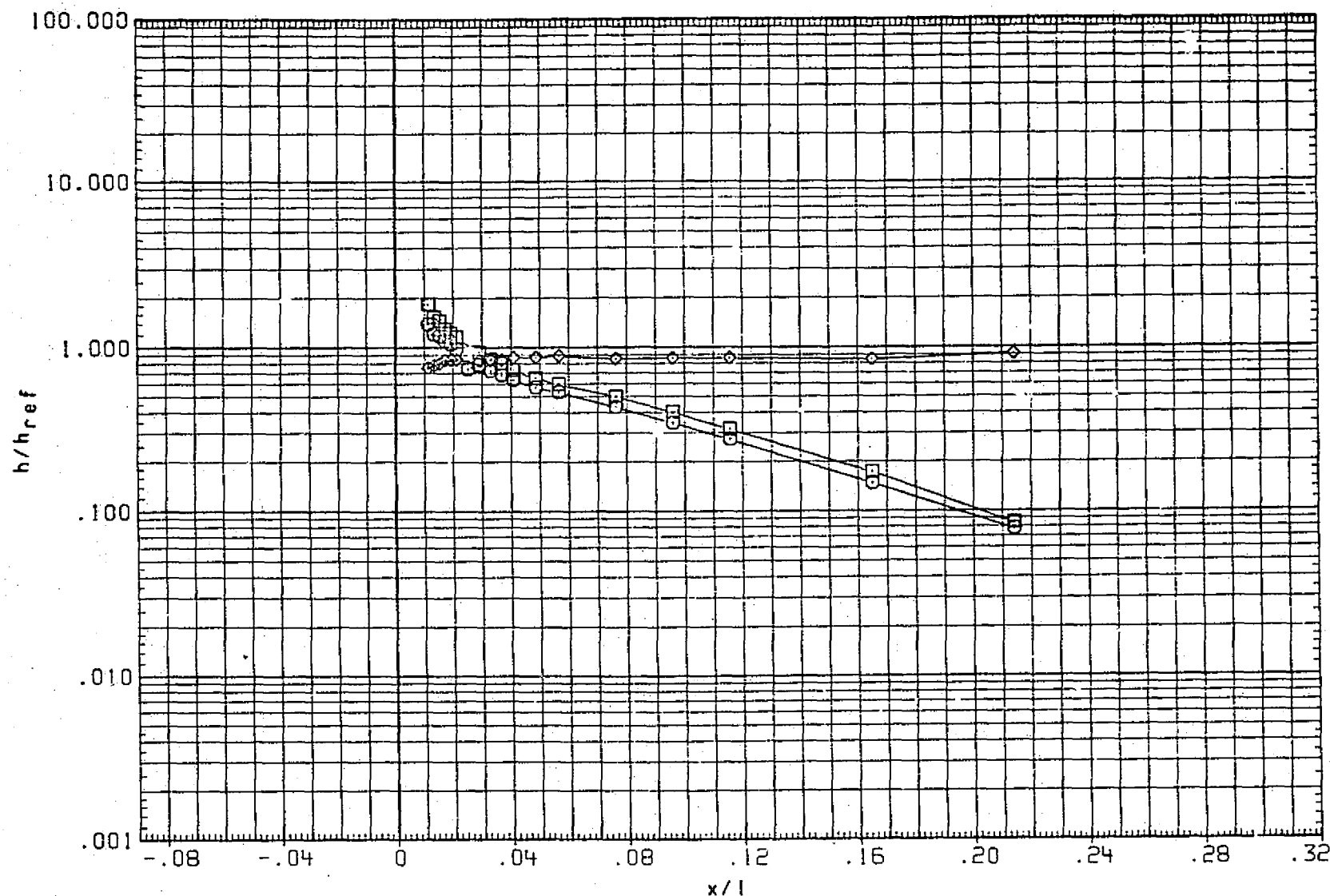


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

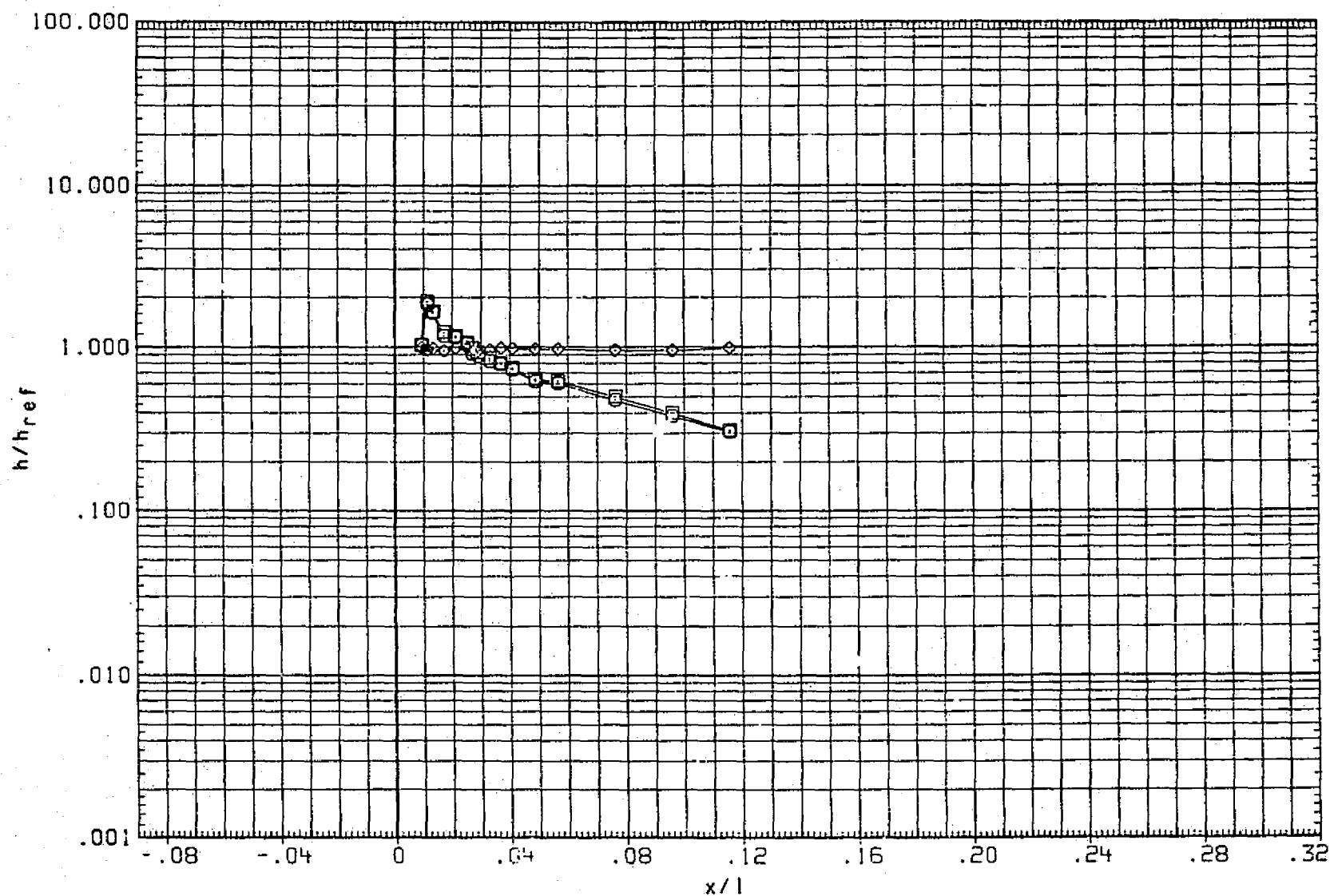


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1104

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

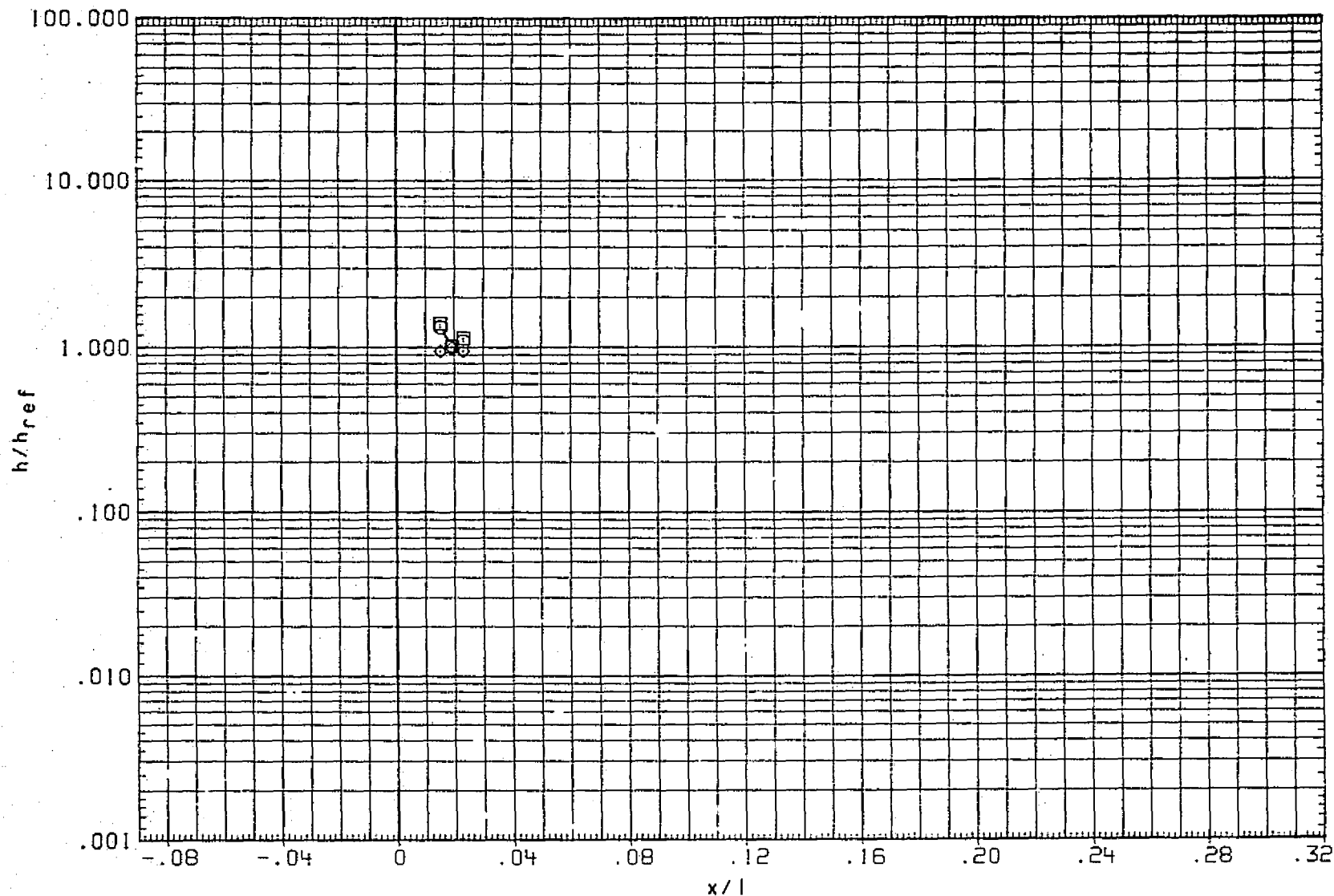


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT= .850 THETA = 315.000

PAGE 1105

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

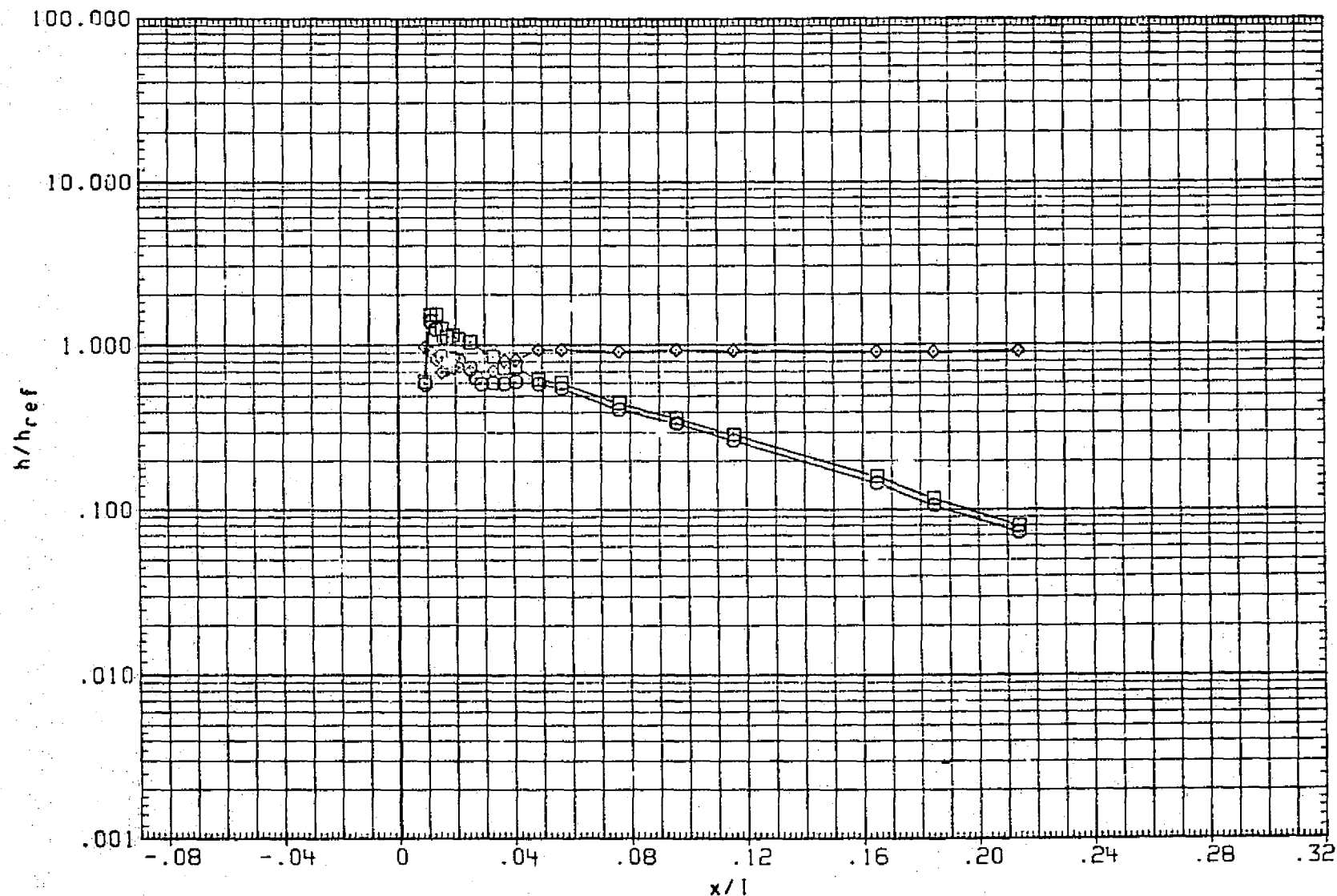


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

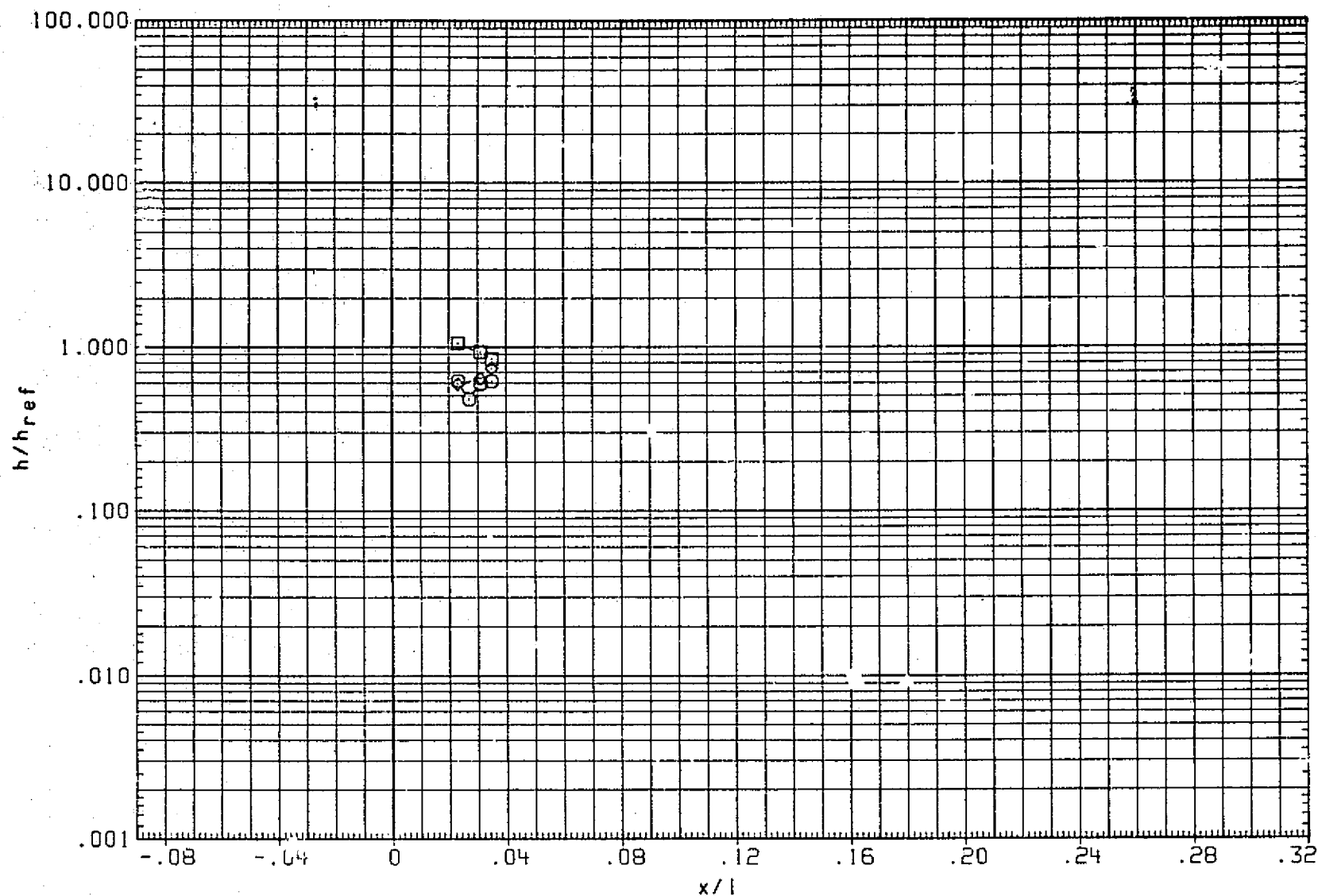


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

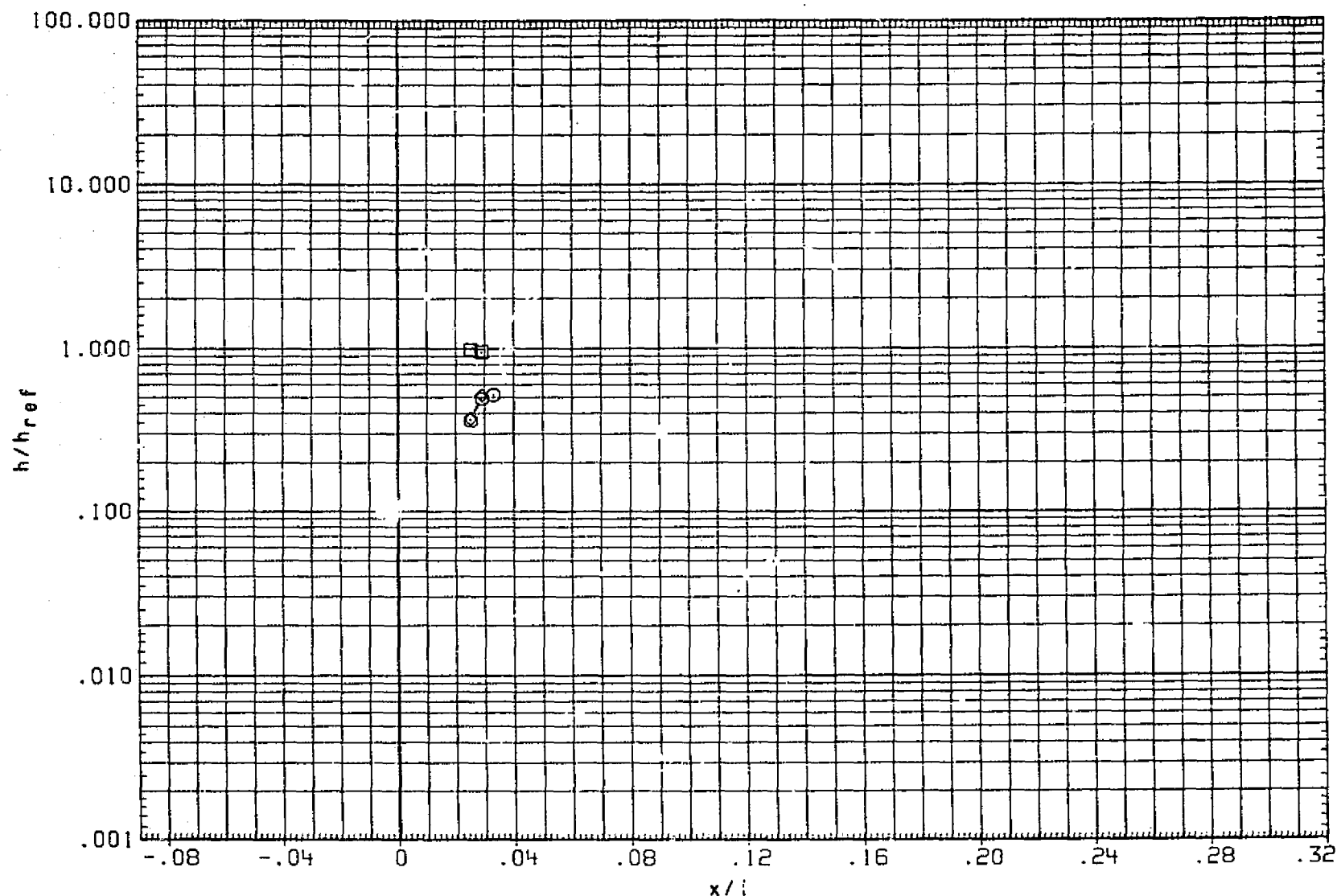


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1108

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

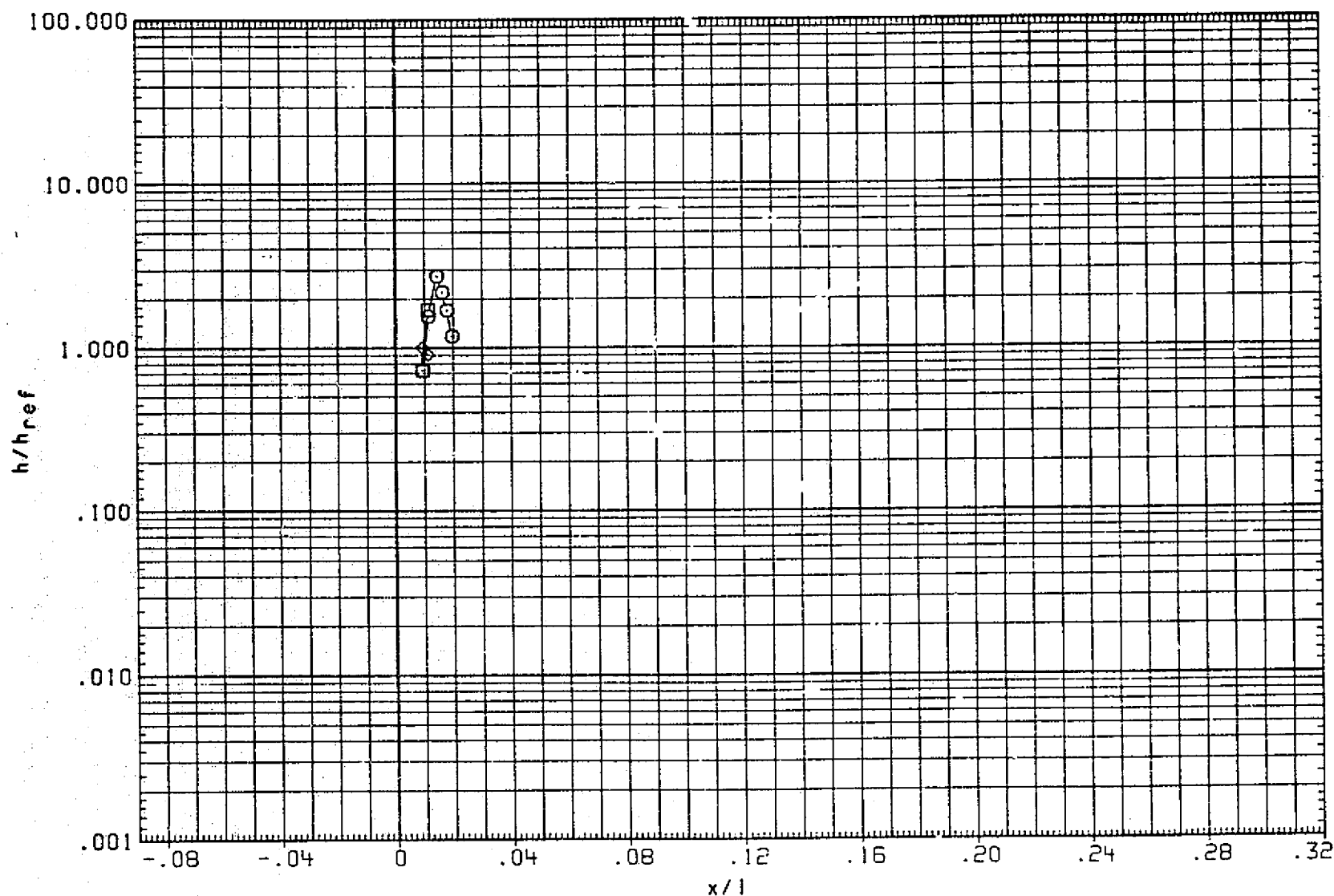


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.530



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

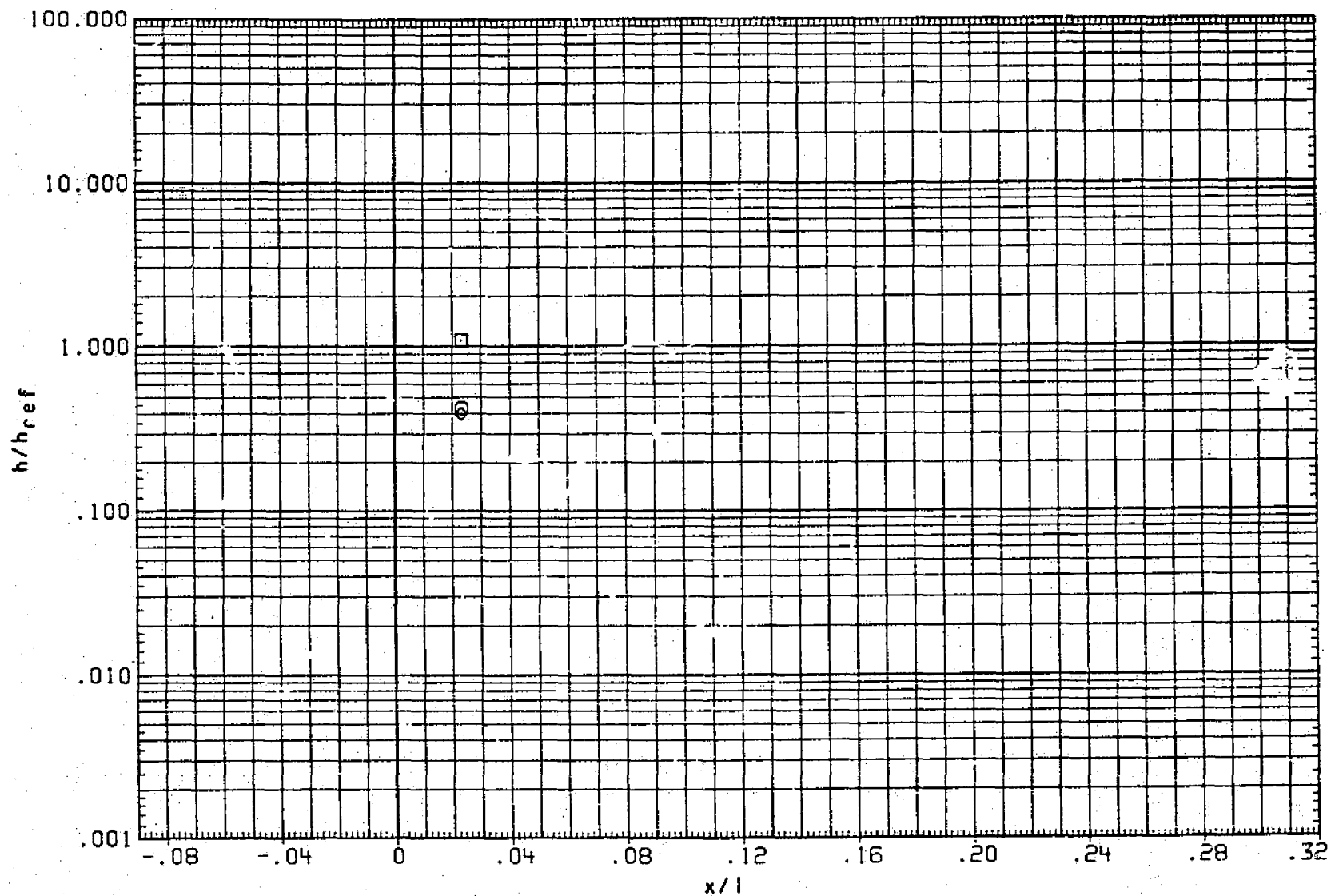


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1110

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

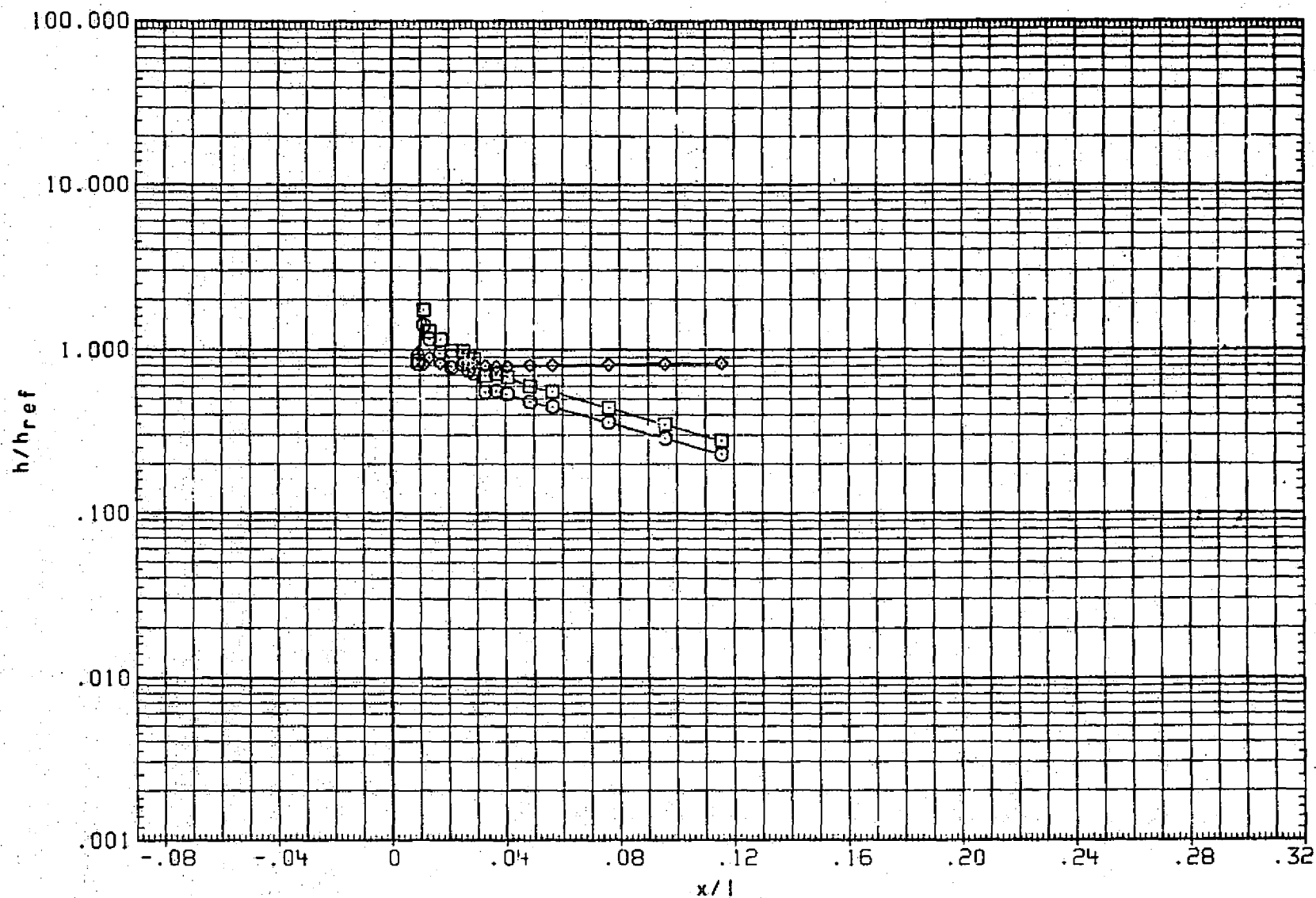


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

PAGE 1111

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

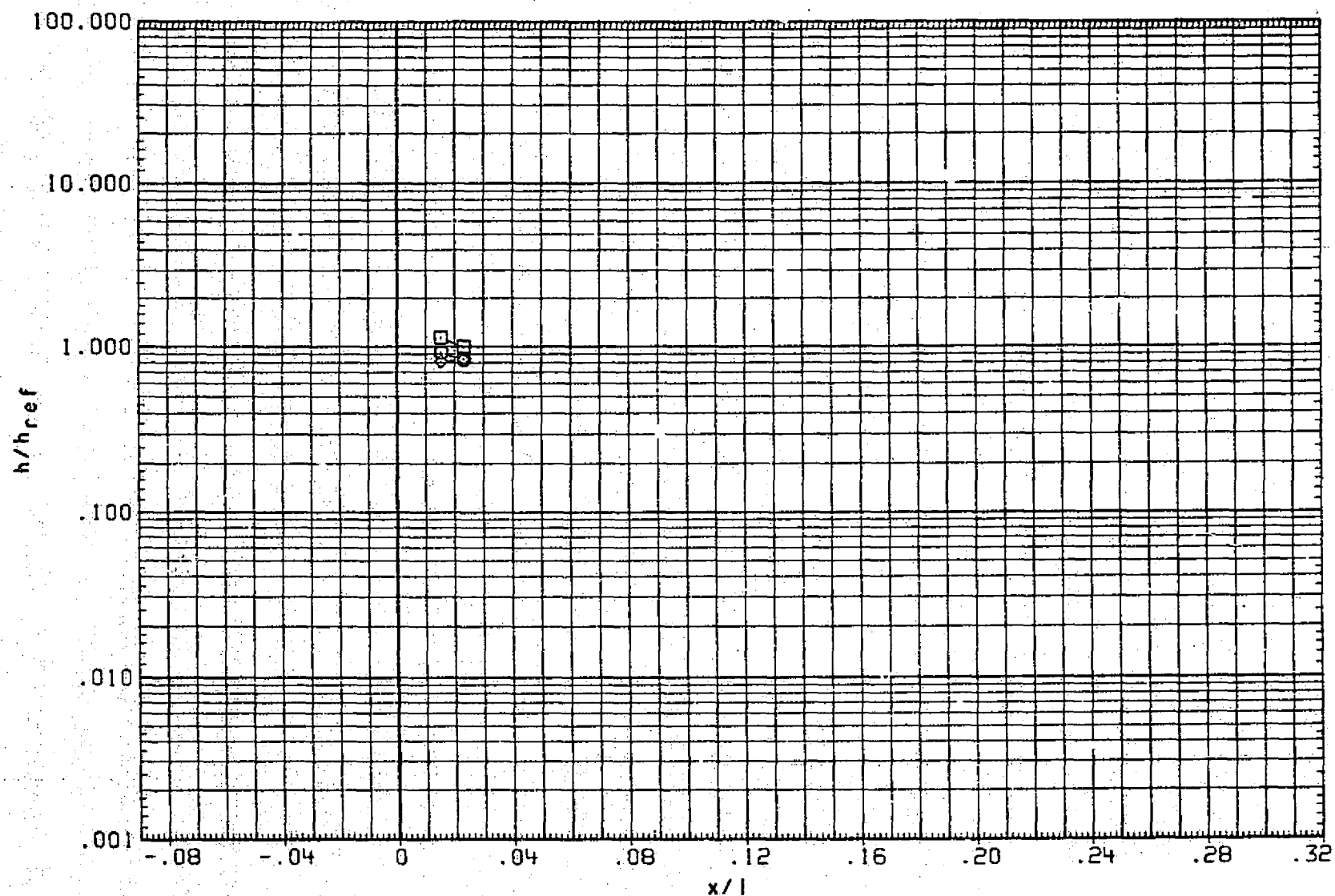


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.00°

PAGE 1112

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

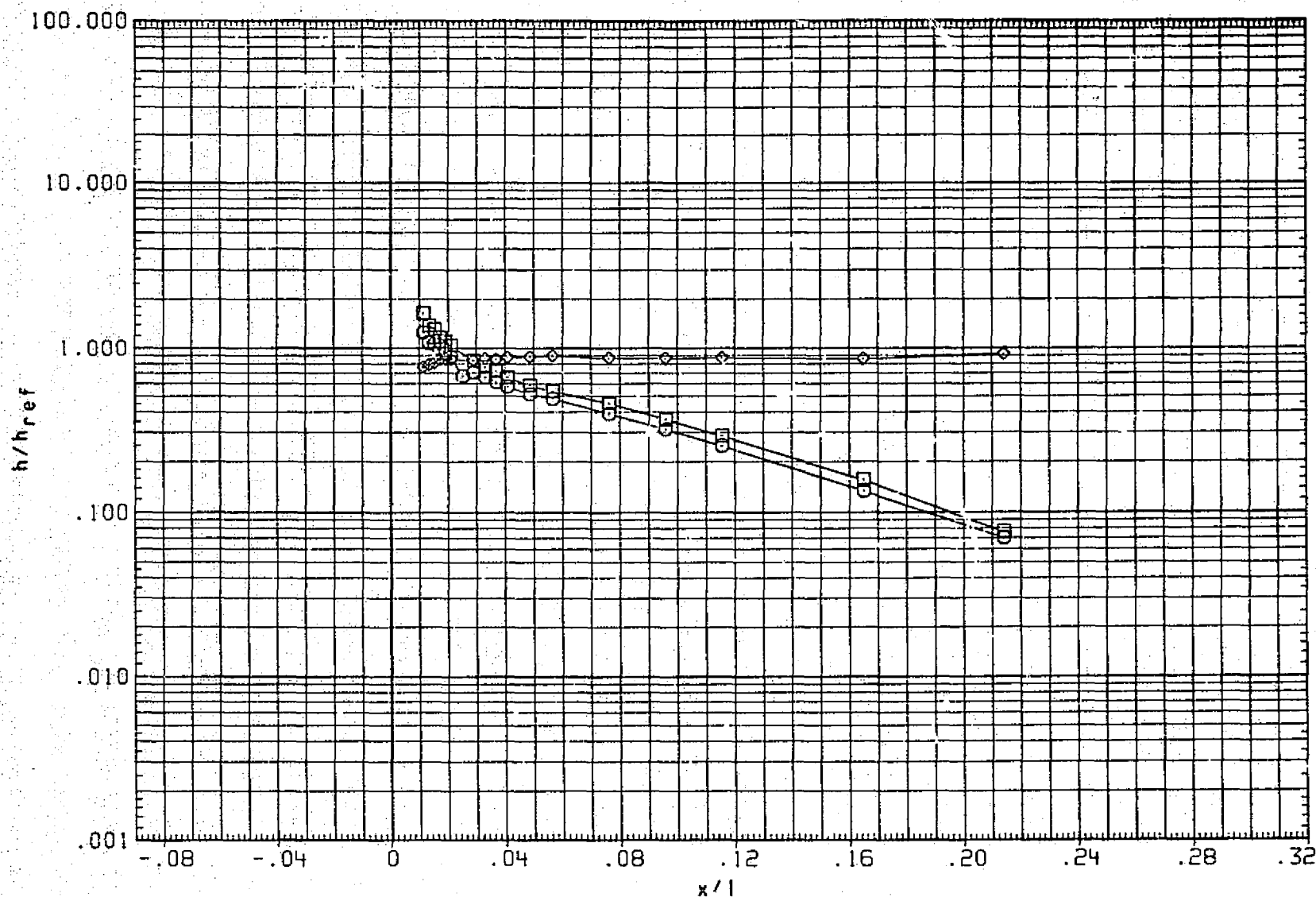


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUS	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

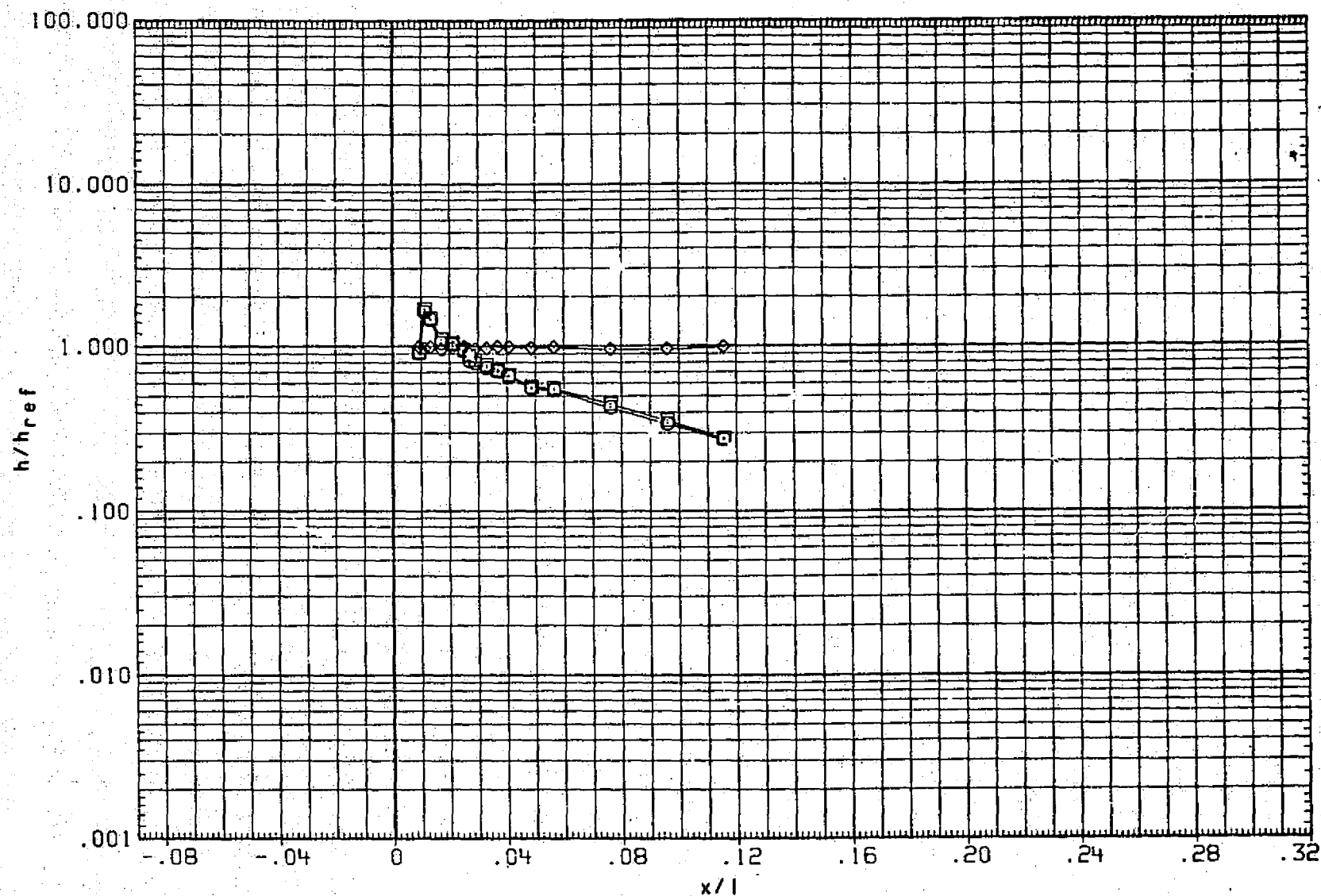


FIG. 15 TANK FOREBODY HI/HU  $\alpha=0$ ,  $\beta=0$  FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

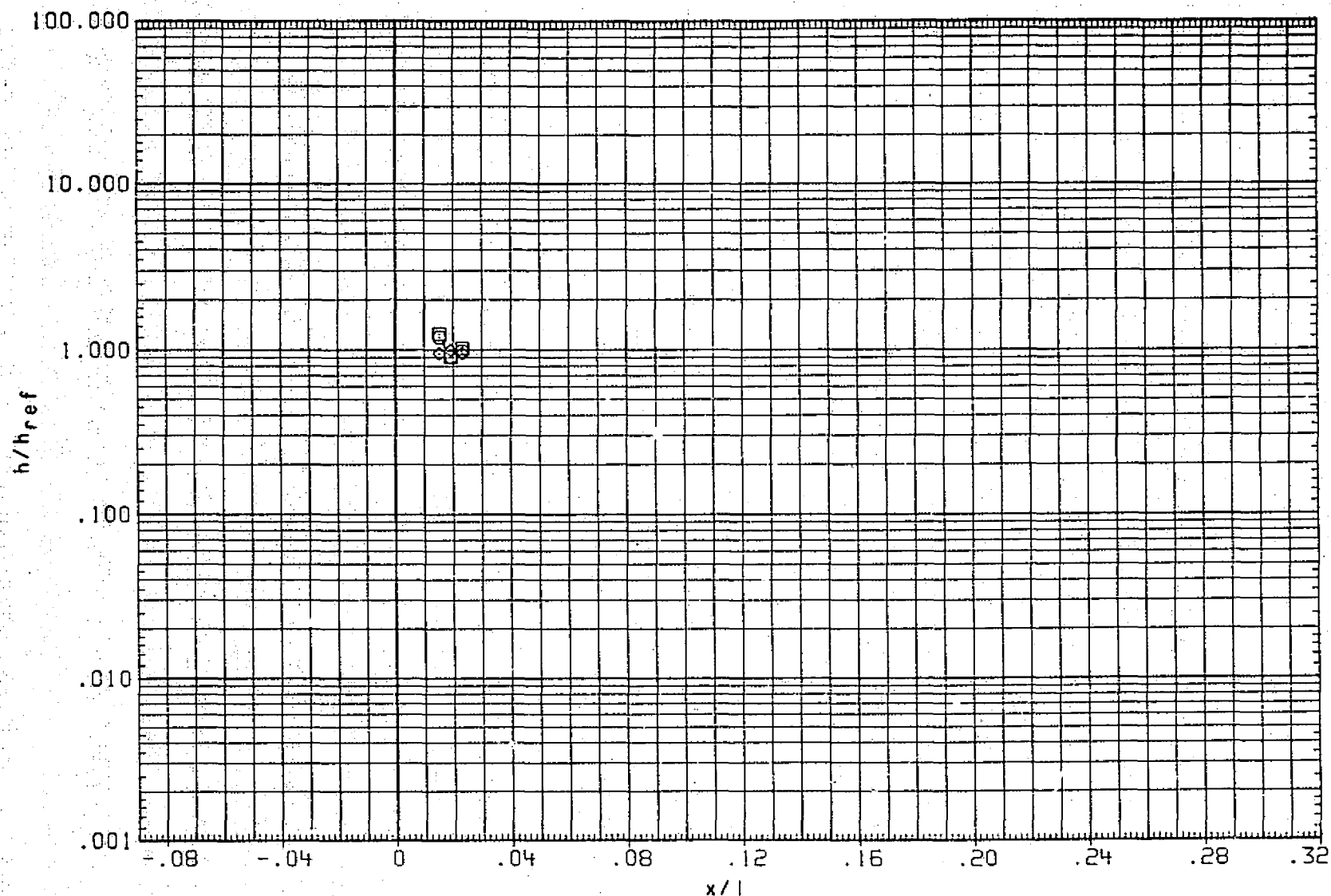


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN: L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

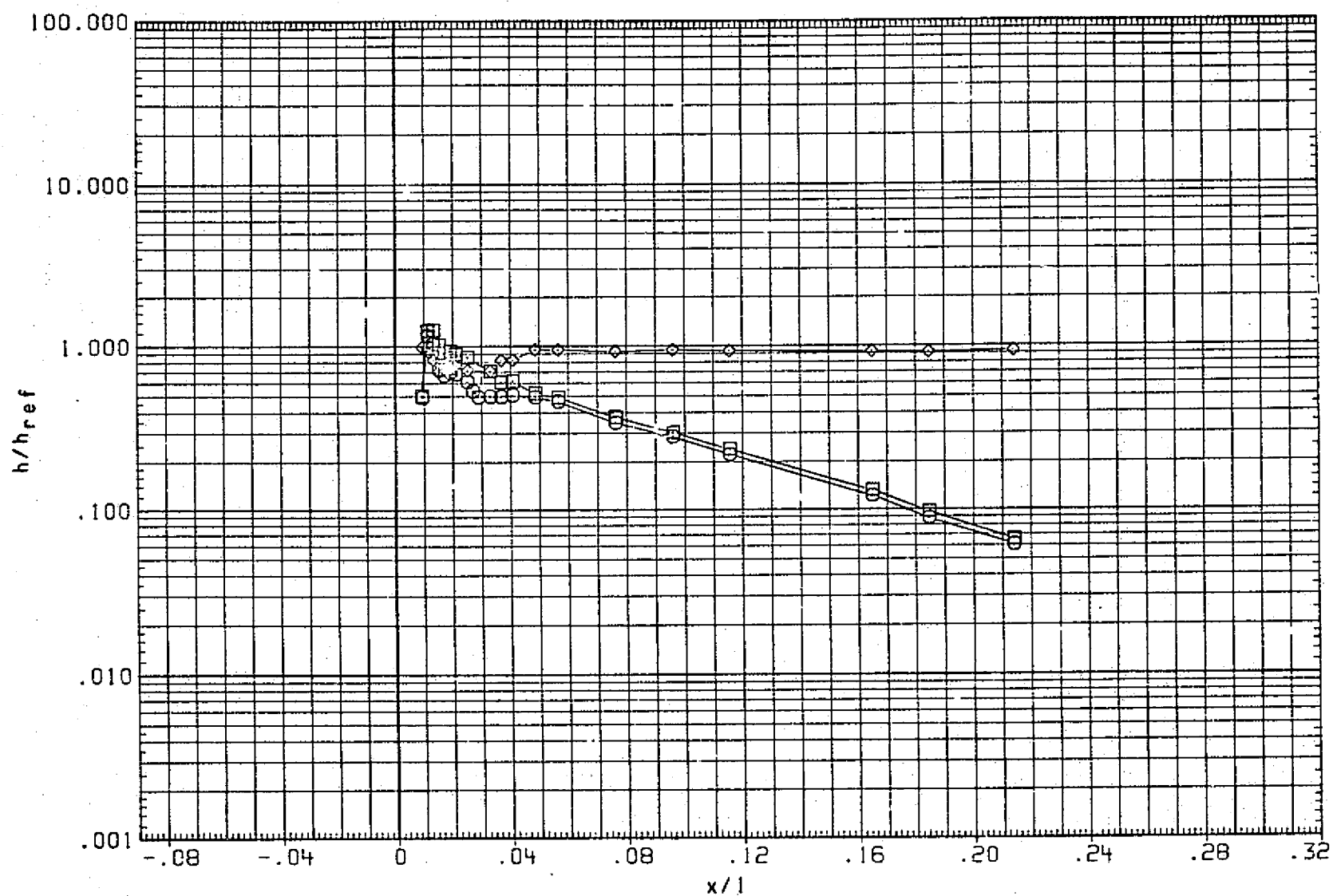


FIG. 15 TANK FOREBODY  $H_1/H_U$  ( $\alpha=0$ ,  $\beta=0$  FOR  $H_U$ )

MACH = 5.300 HAW/HT = 1.000 THETA = .000

PAGE 1116

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

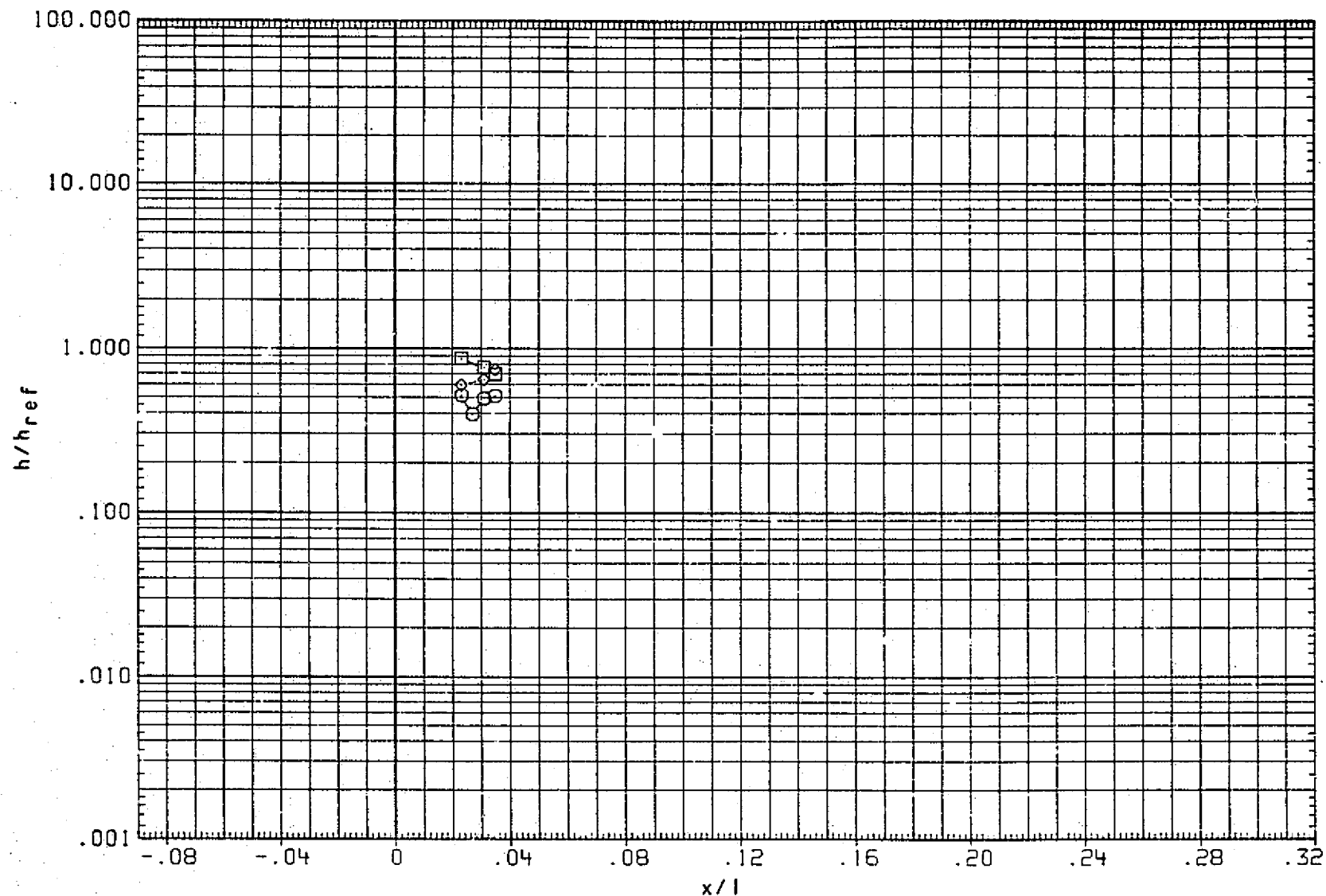


FIG. 15 TANK FOREBODY  $h_i/h_u$  (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

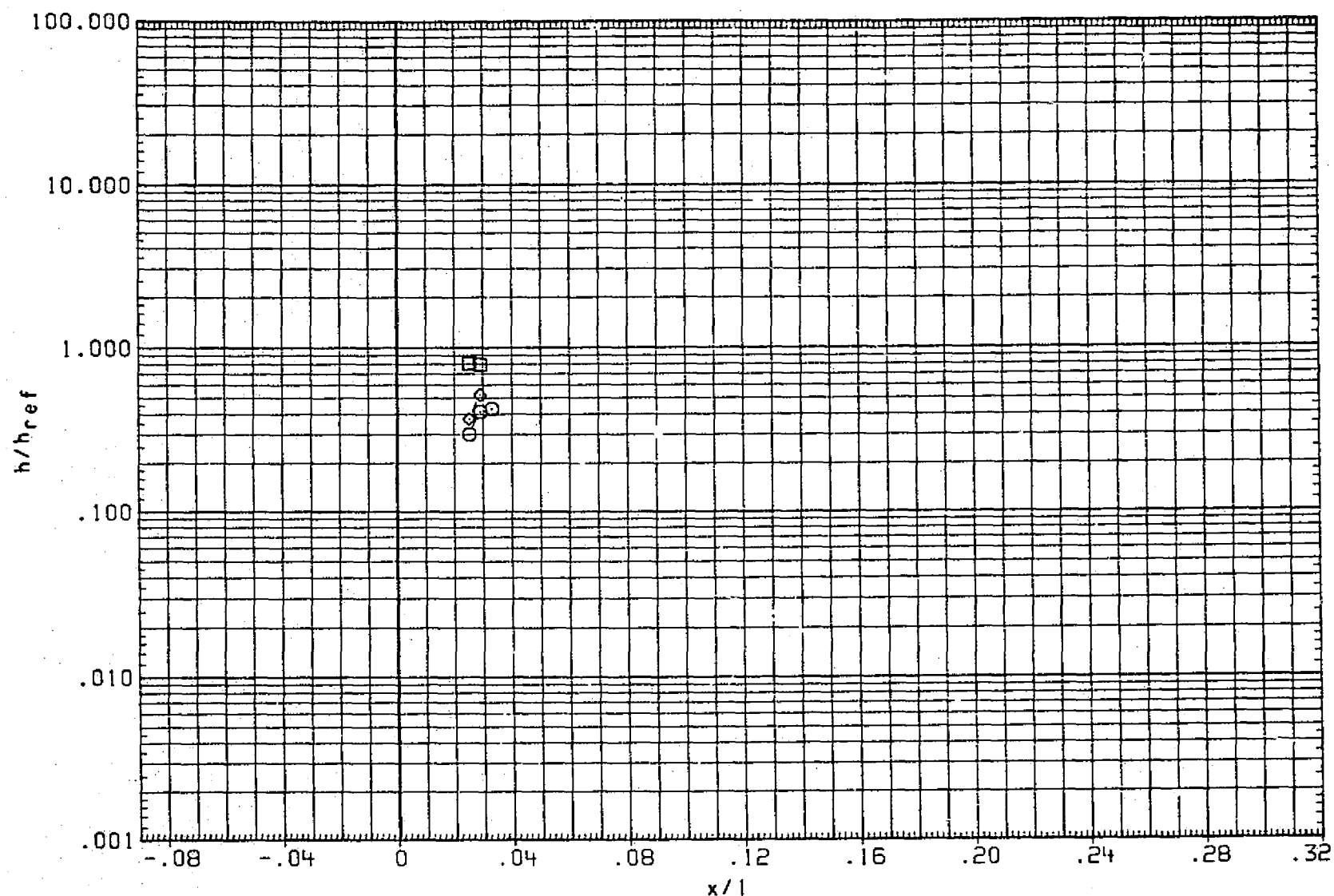


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1118

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

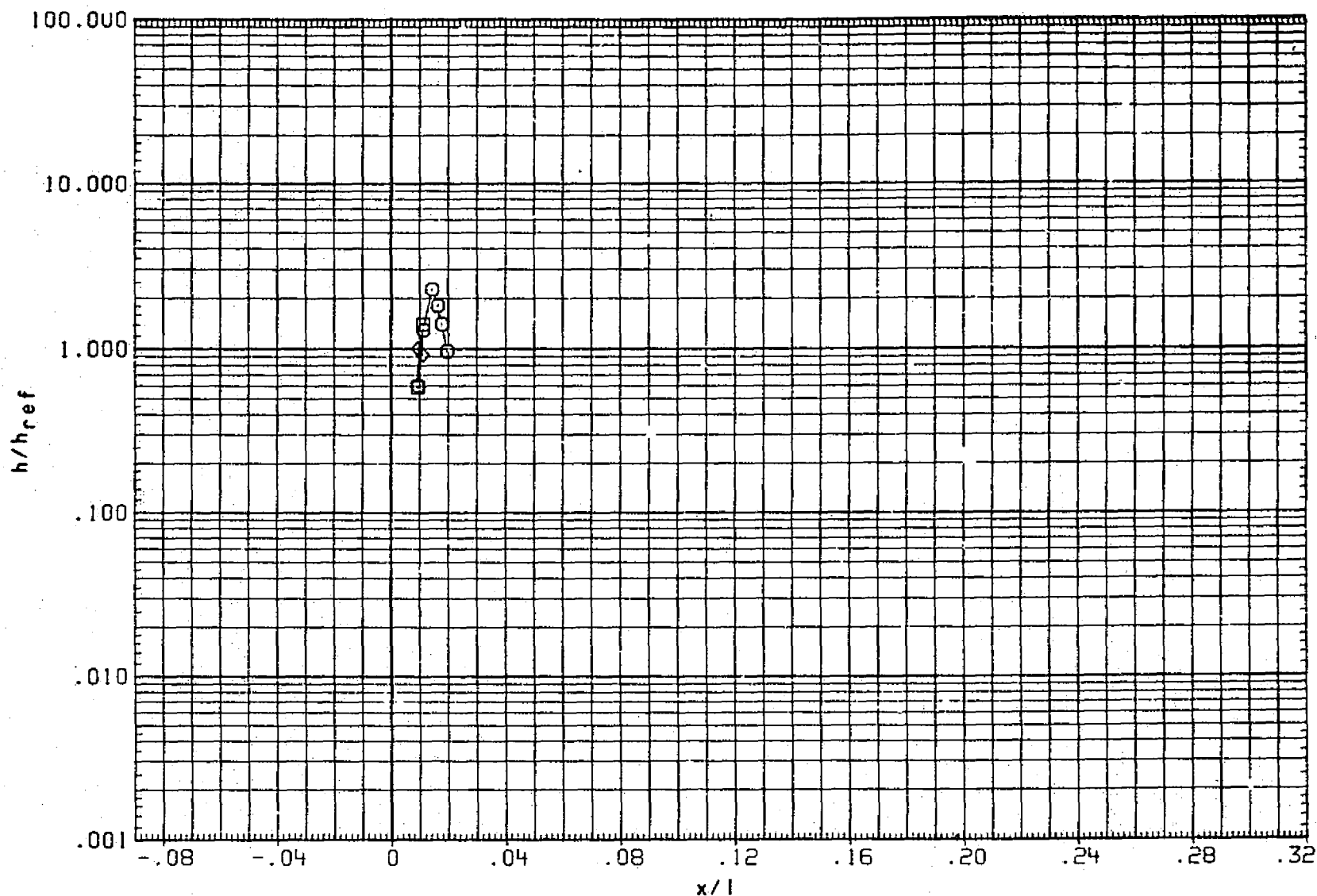


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

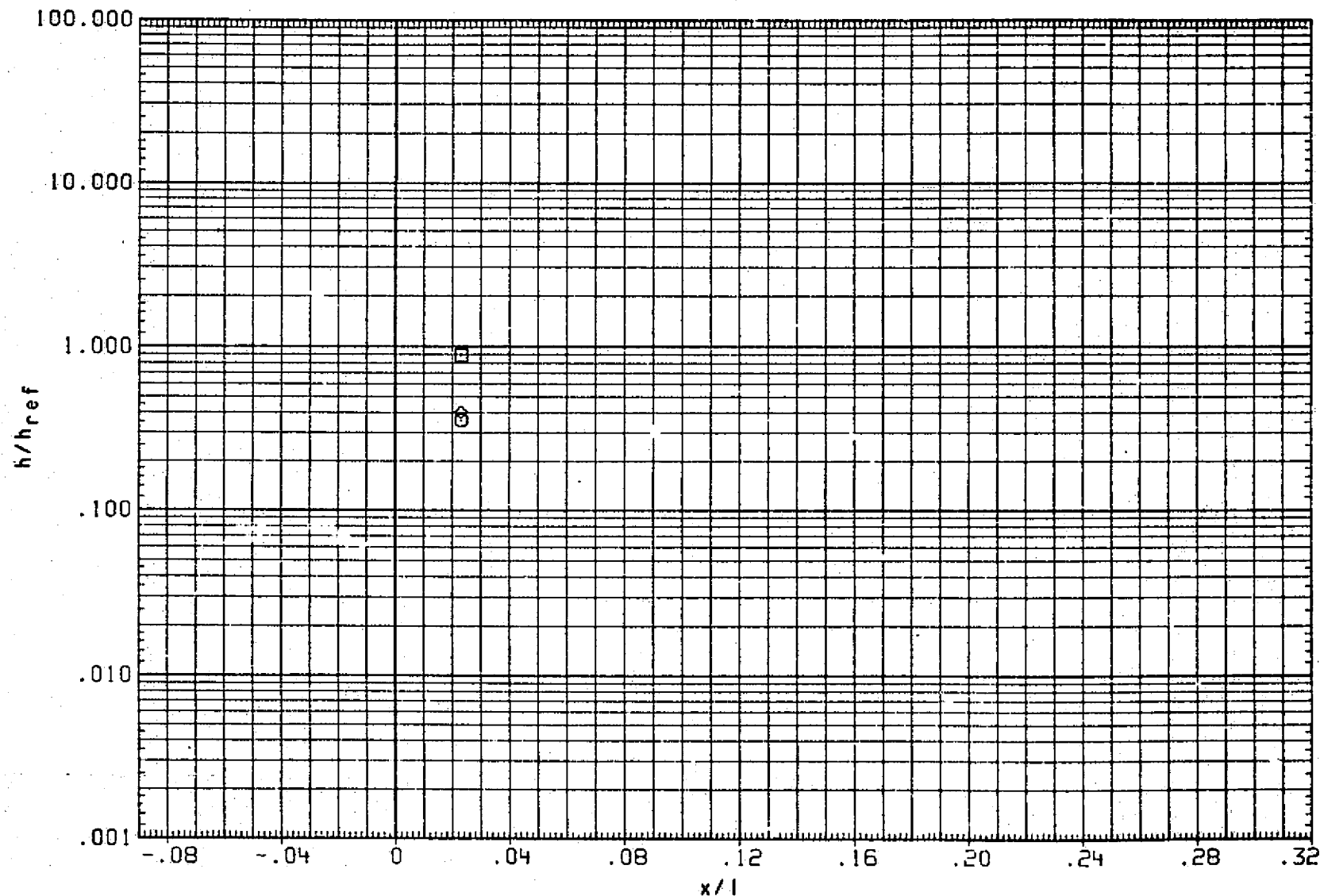


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.030	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

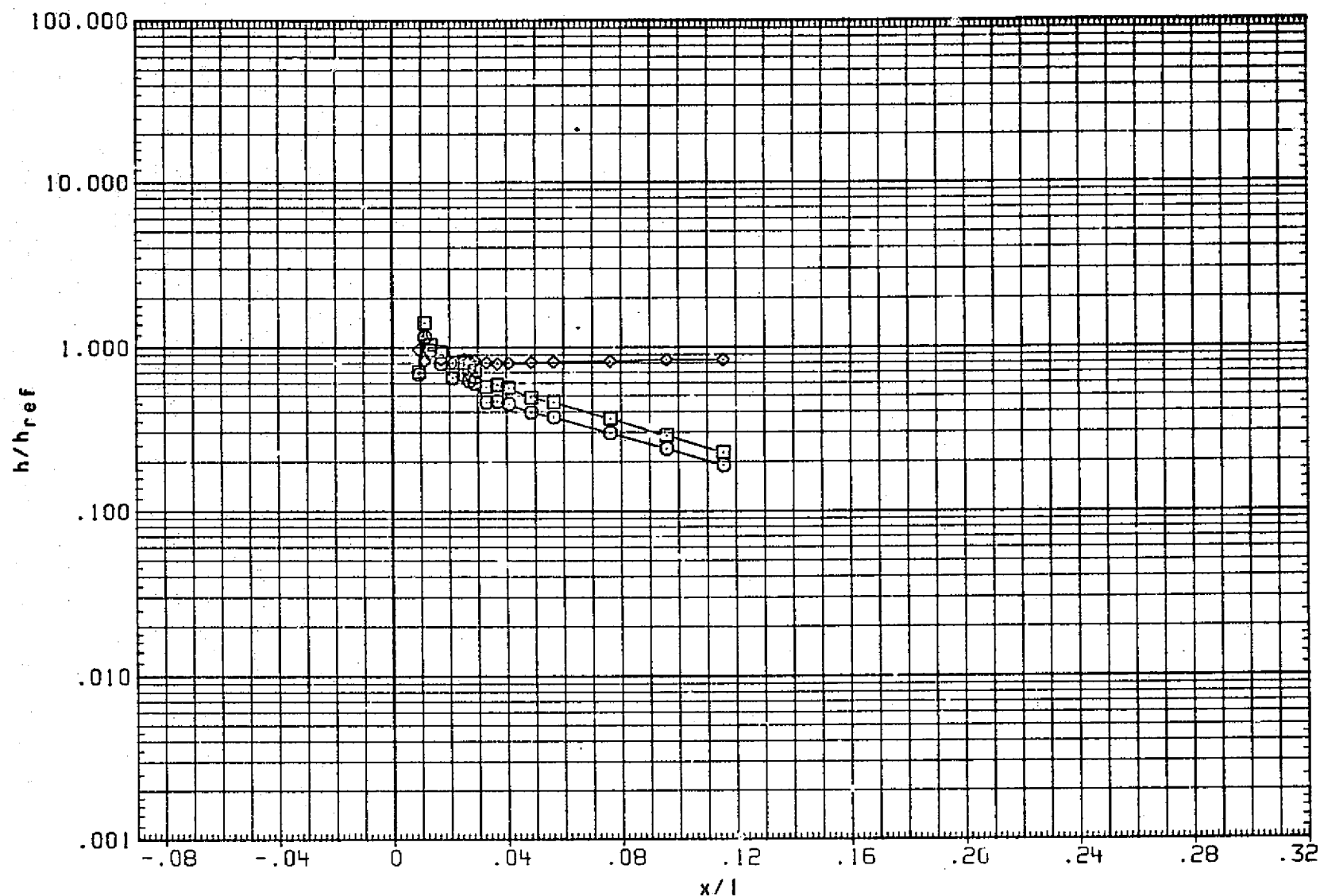


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

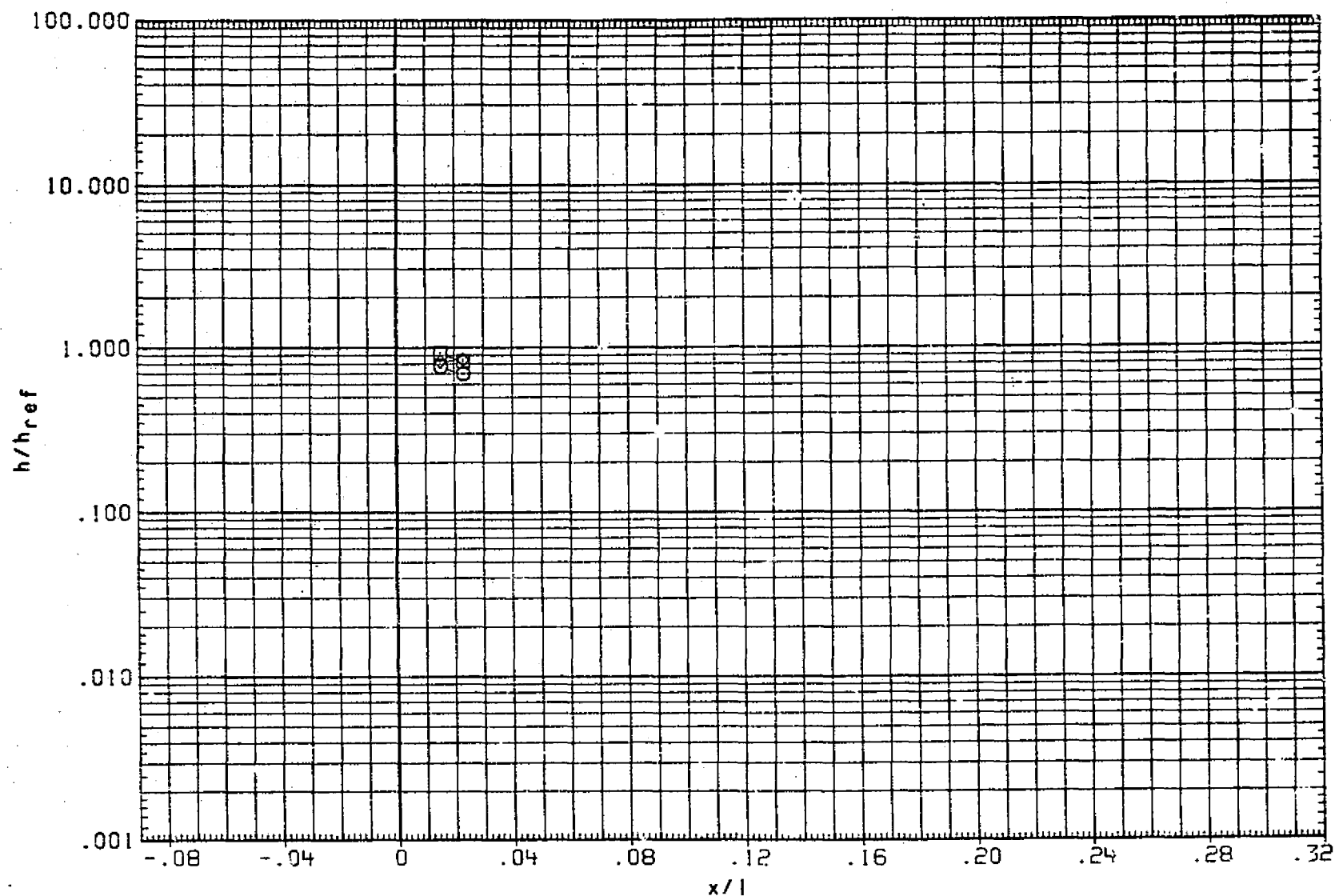


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1122

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

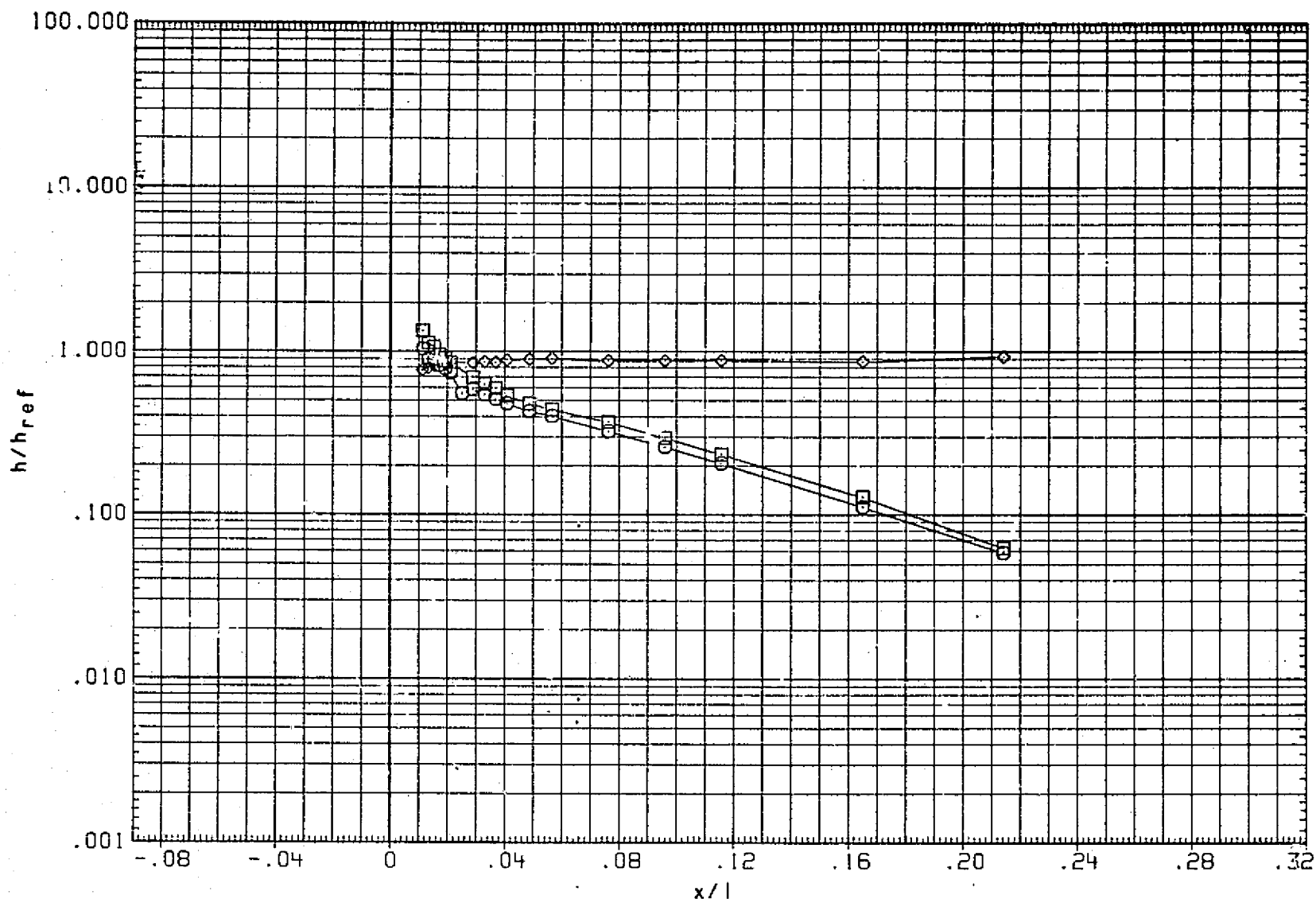


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

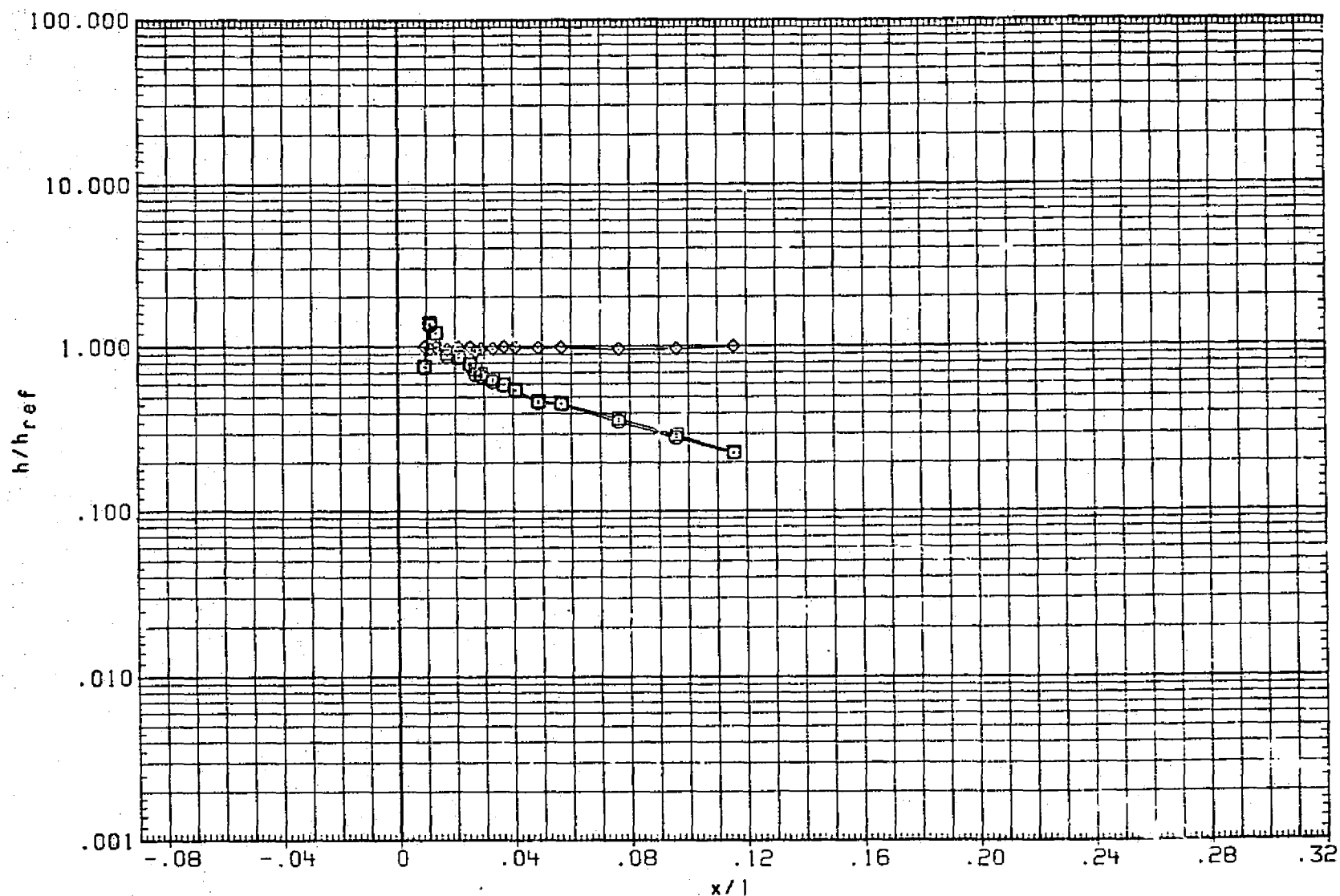


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1124

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FHI4)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FHI4)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FHI4) HI/HU (RNTT05/RNTT20)	.000	.000	5.000

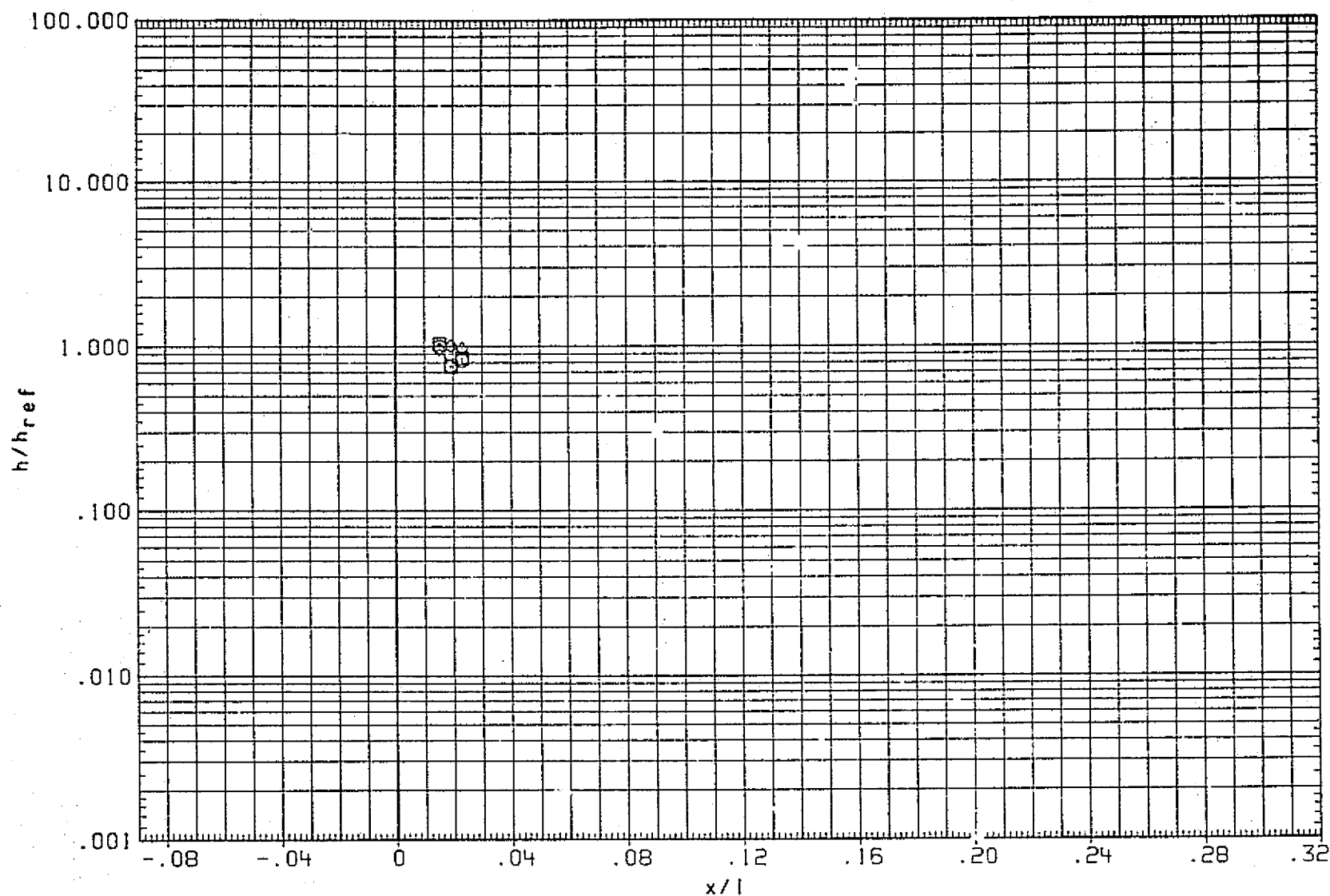


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)	.000	.000	5.000

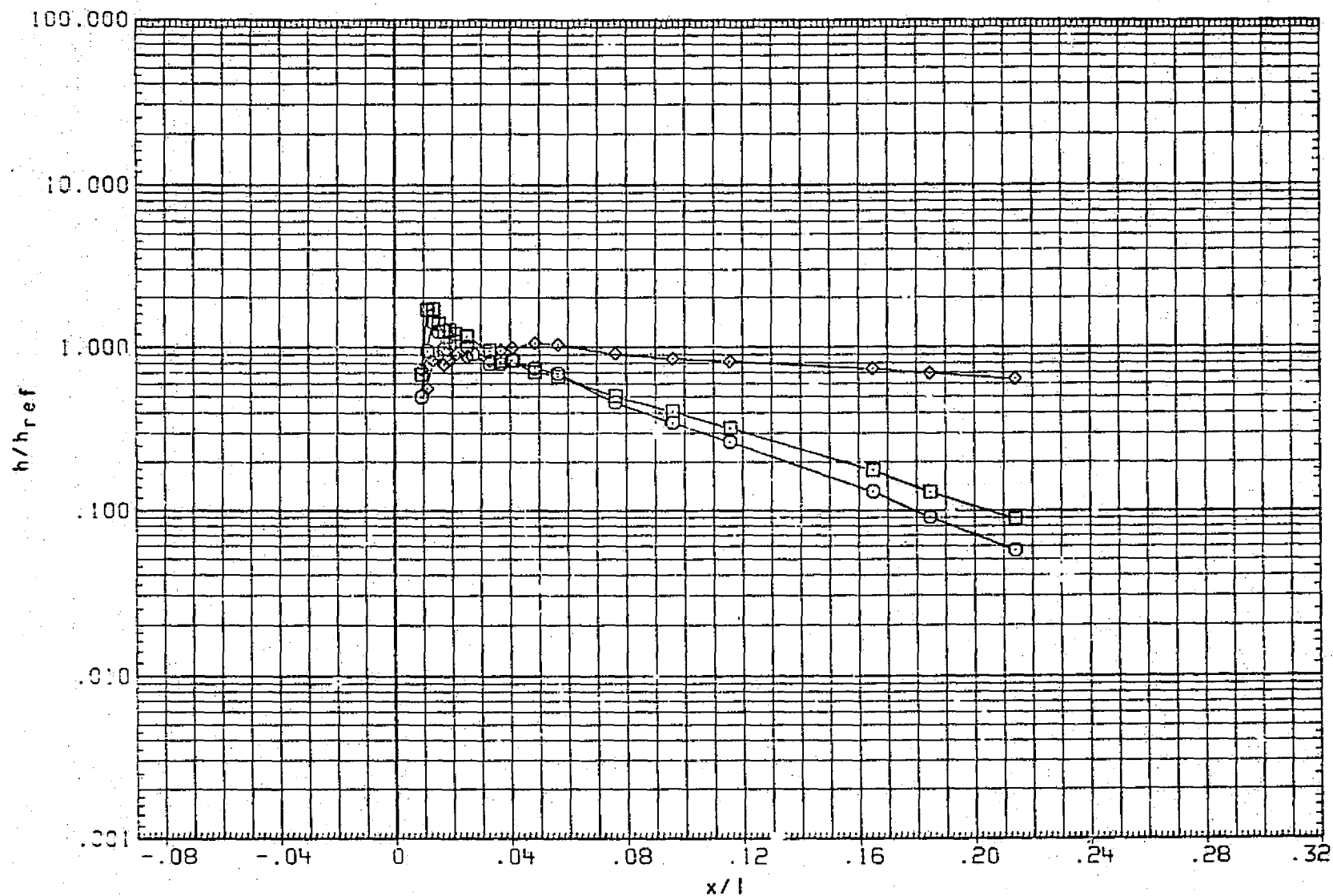


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .950 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

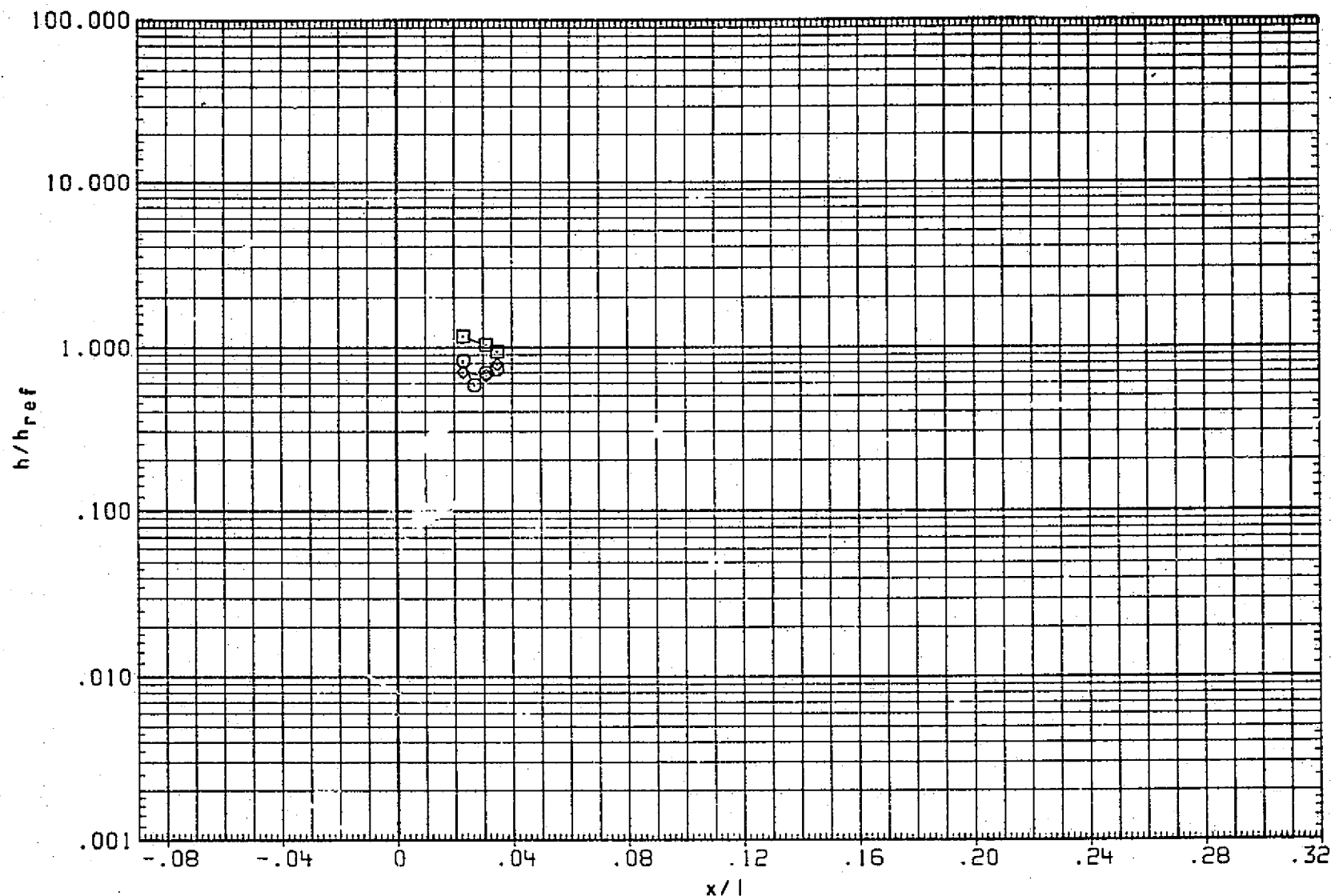


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .950 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

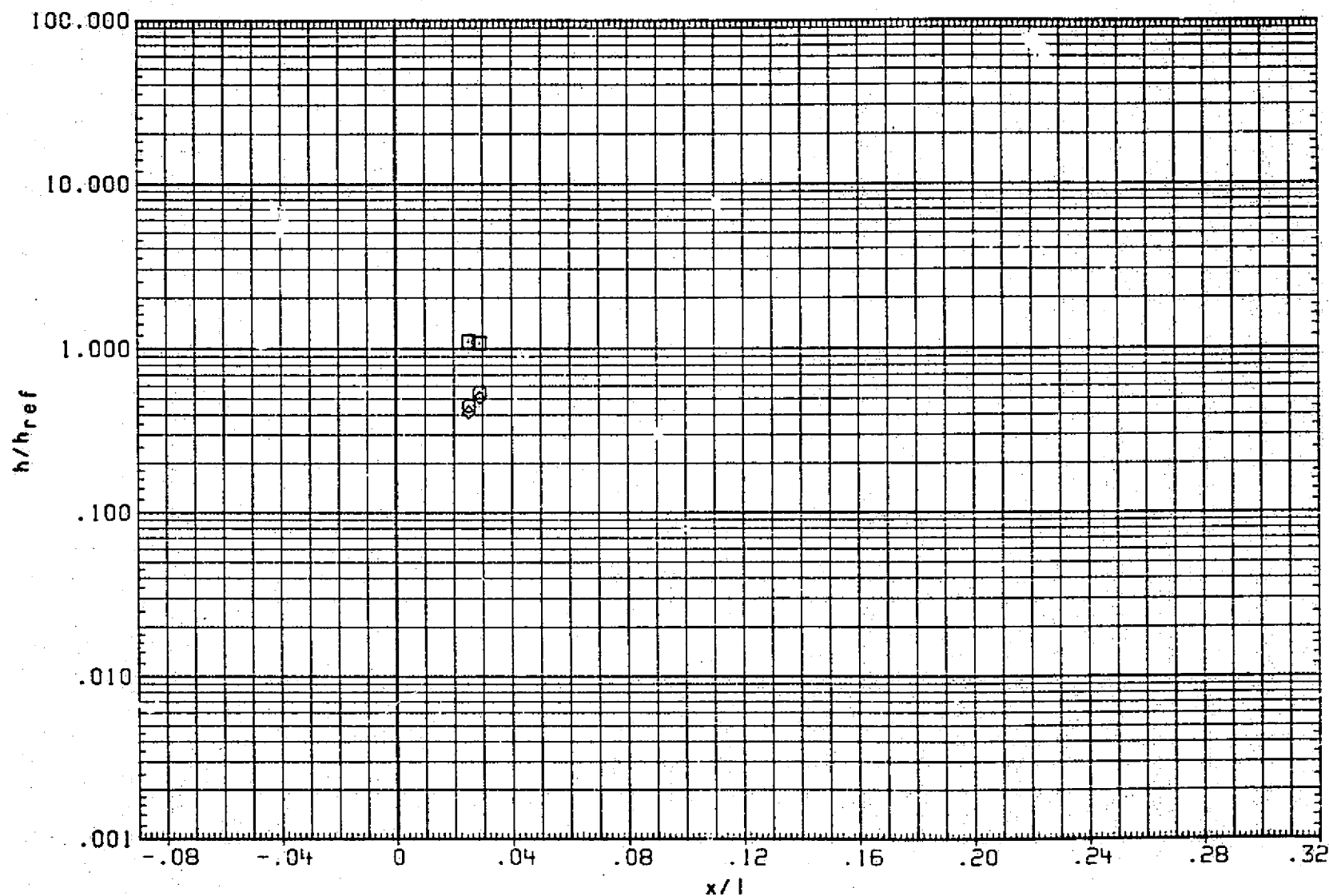


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

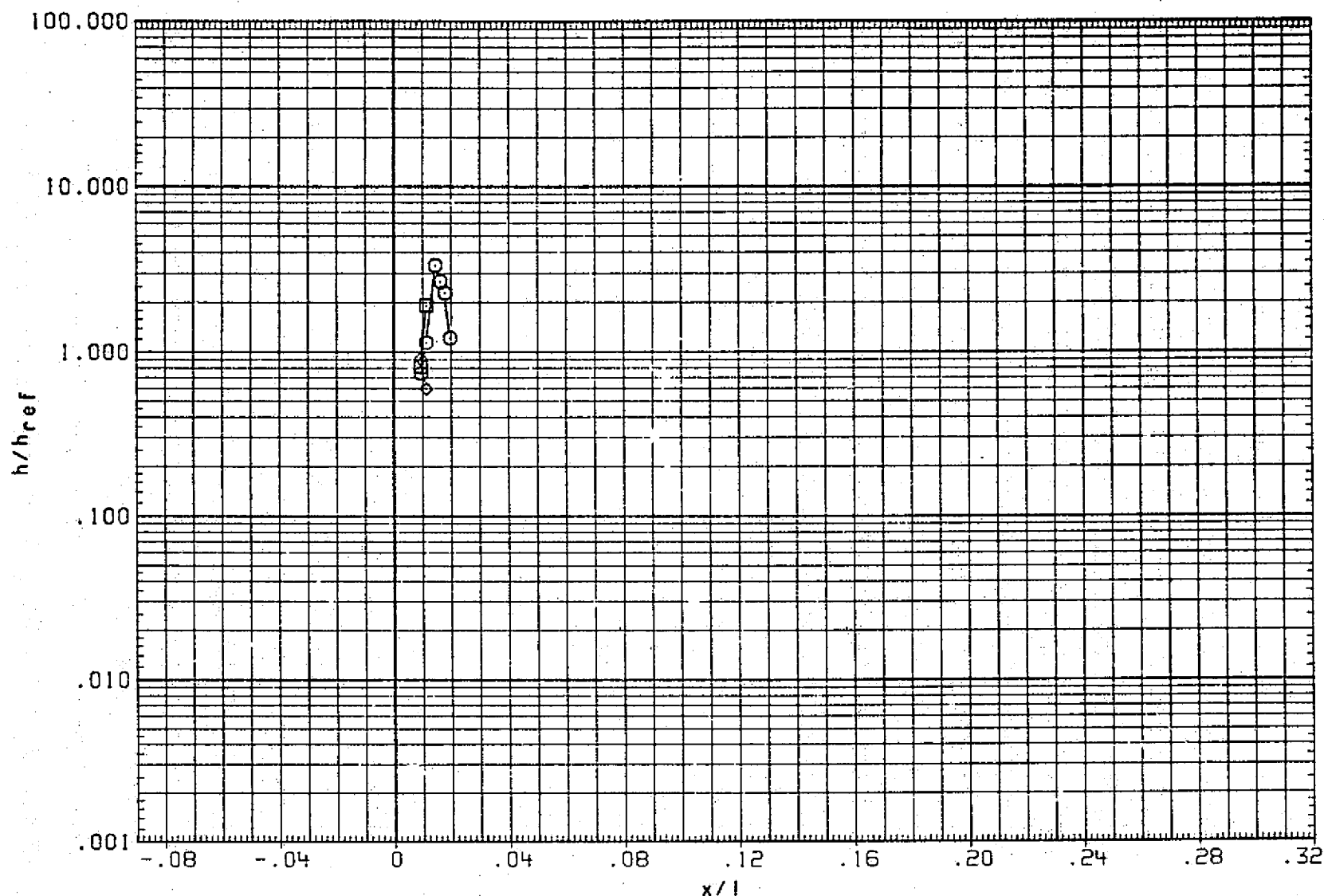


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

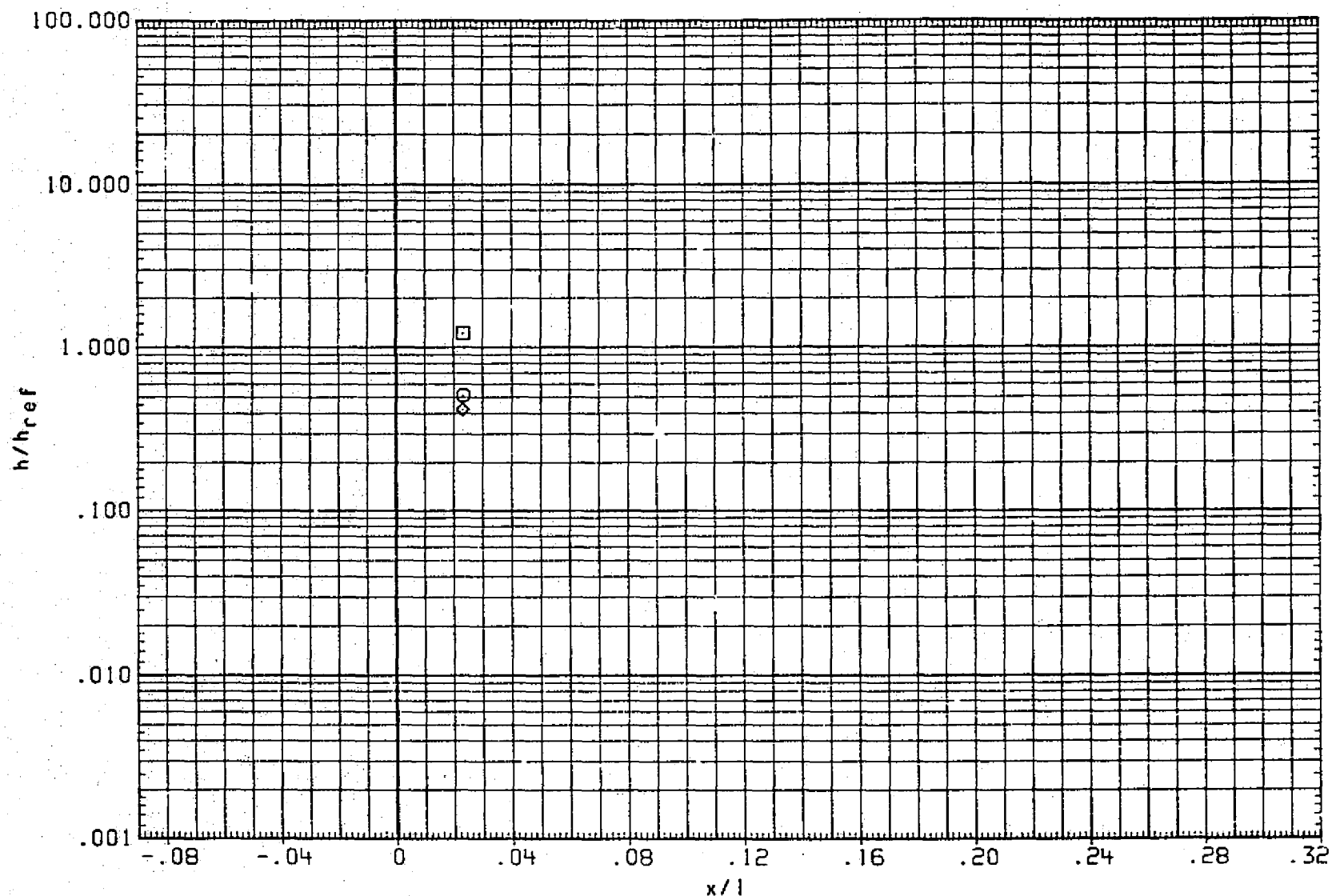


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 .BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1130

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)	.000	.000	5.000

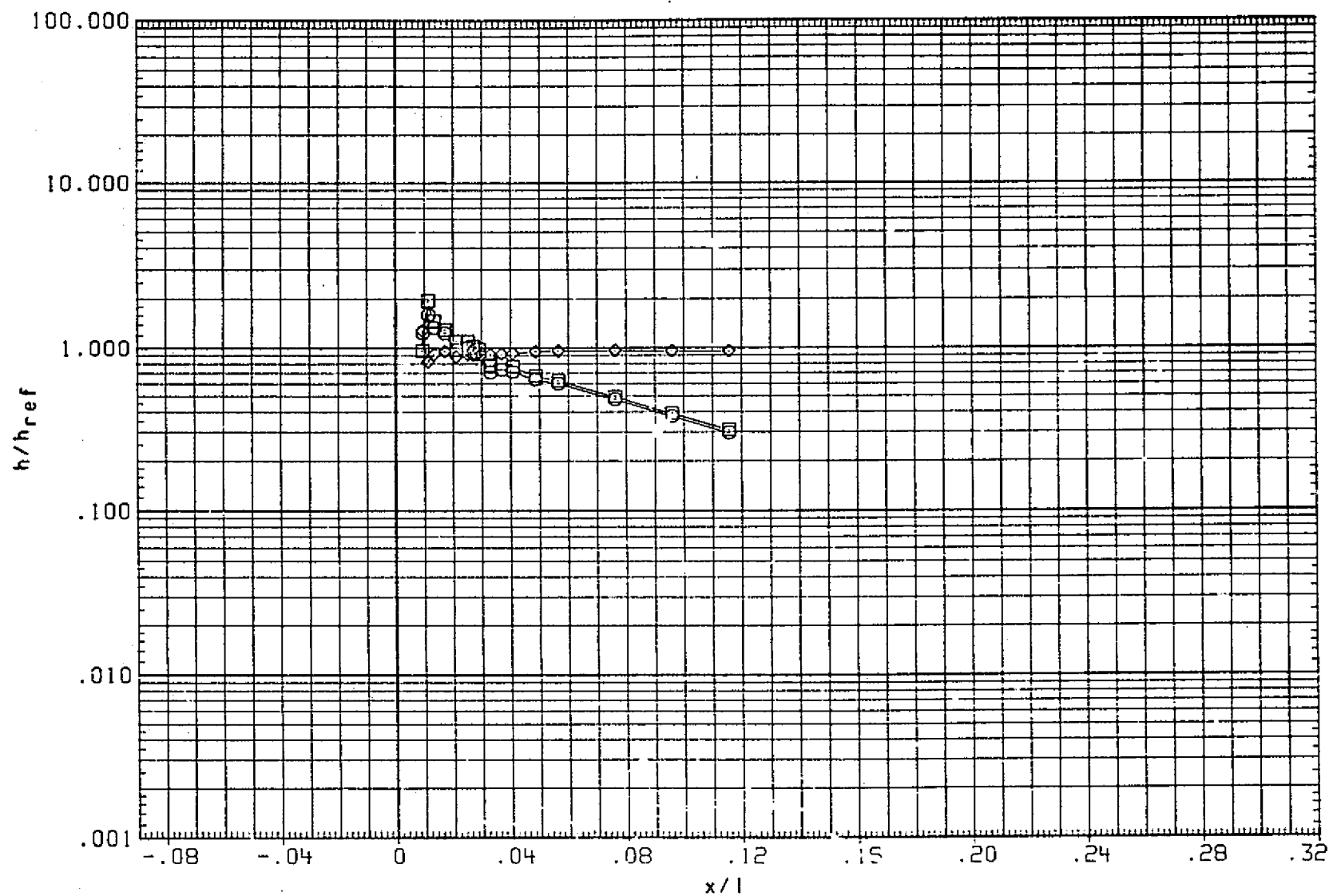


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

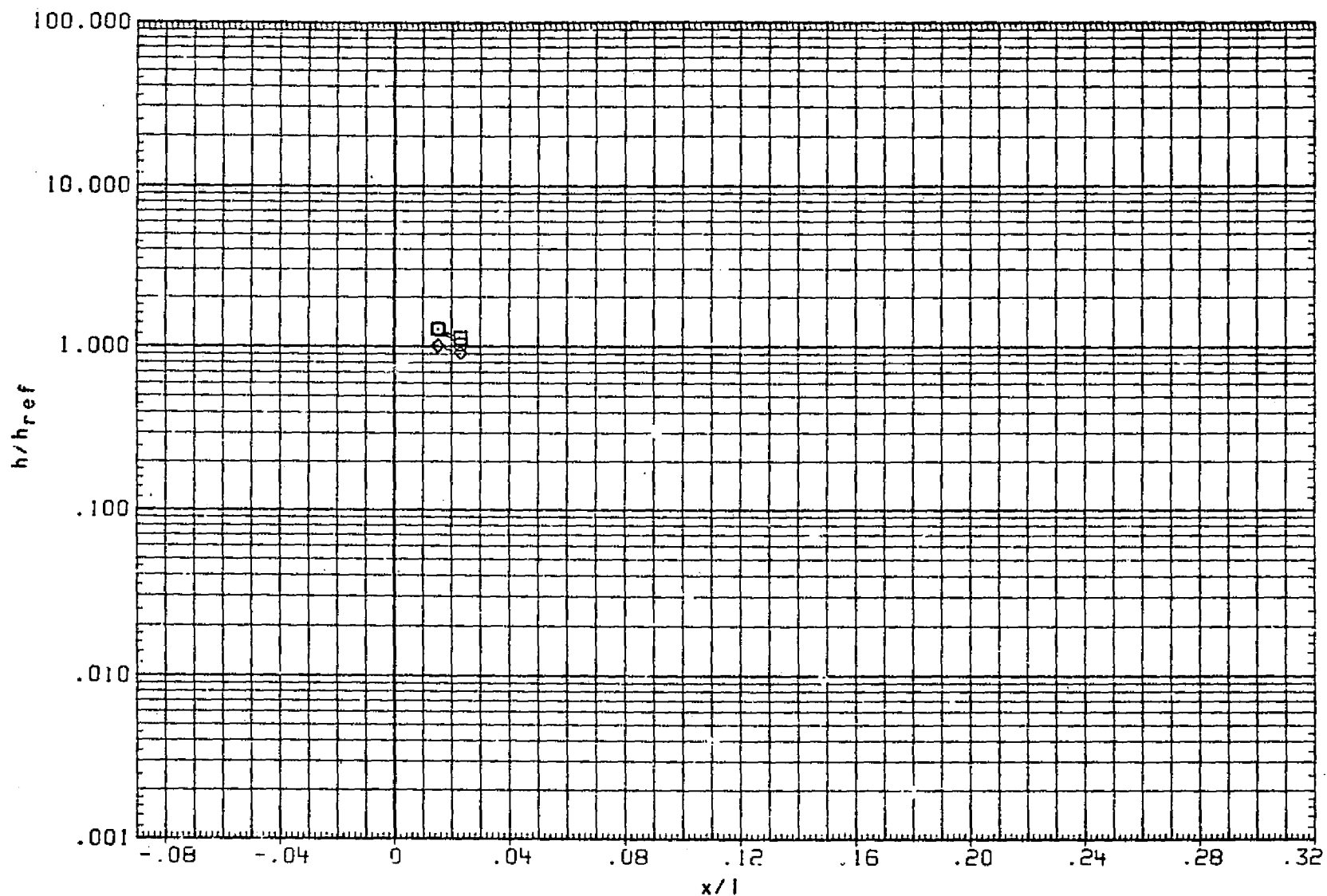


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)	.000	.000	5.000

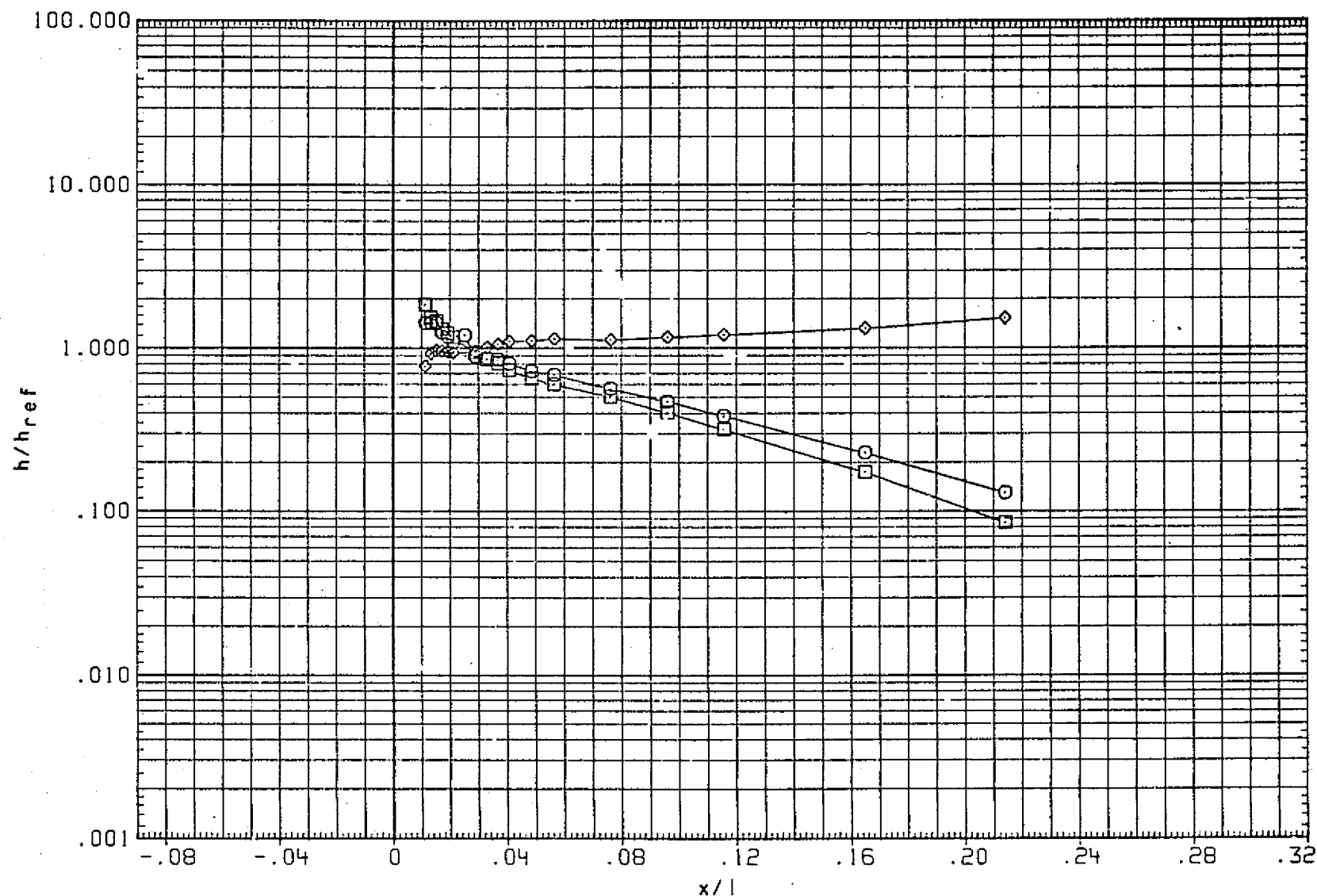


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

PAGE 1133



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

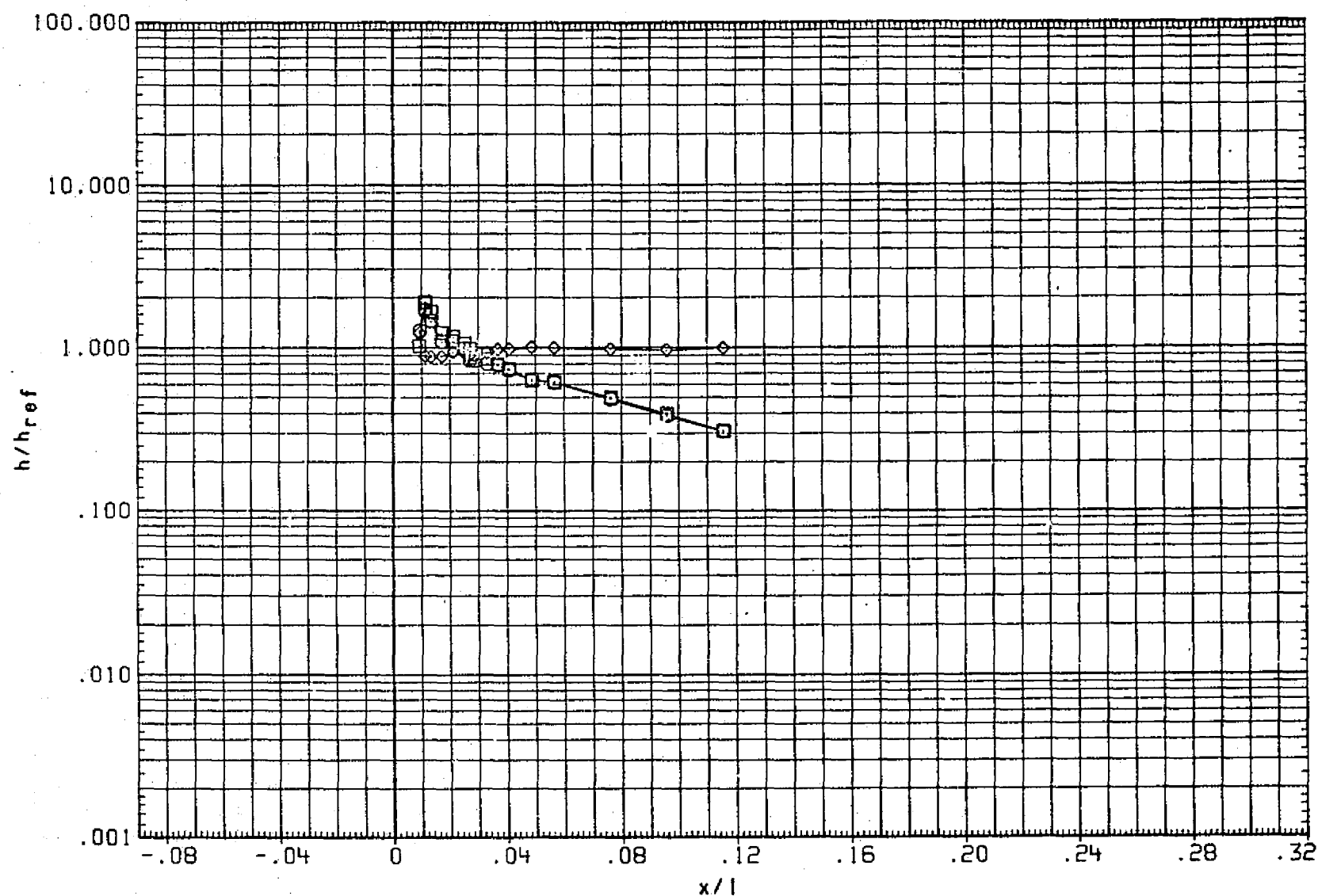


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1134

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

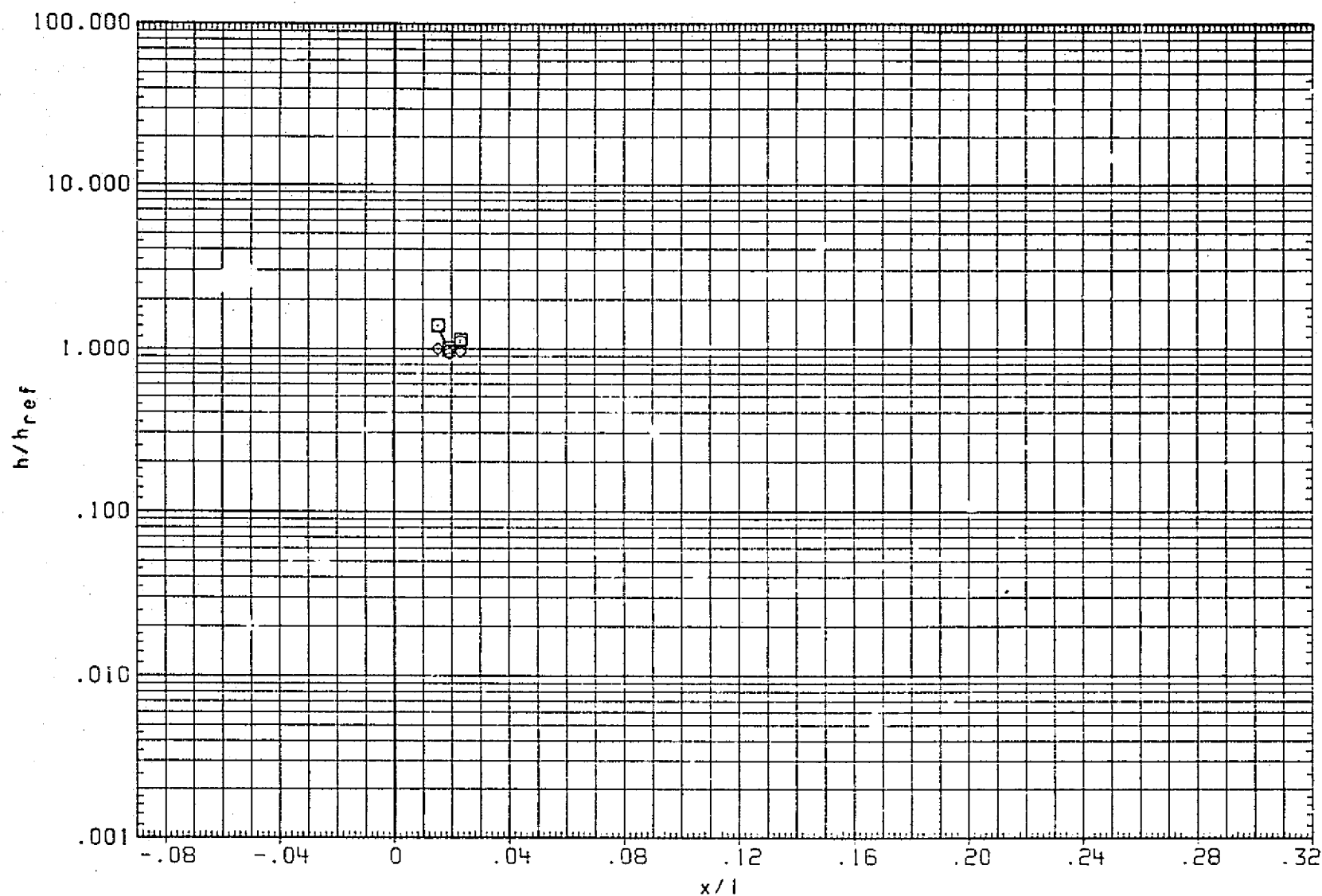


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

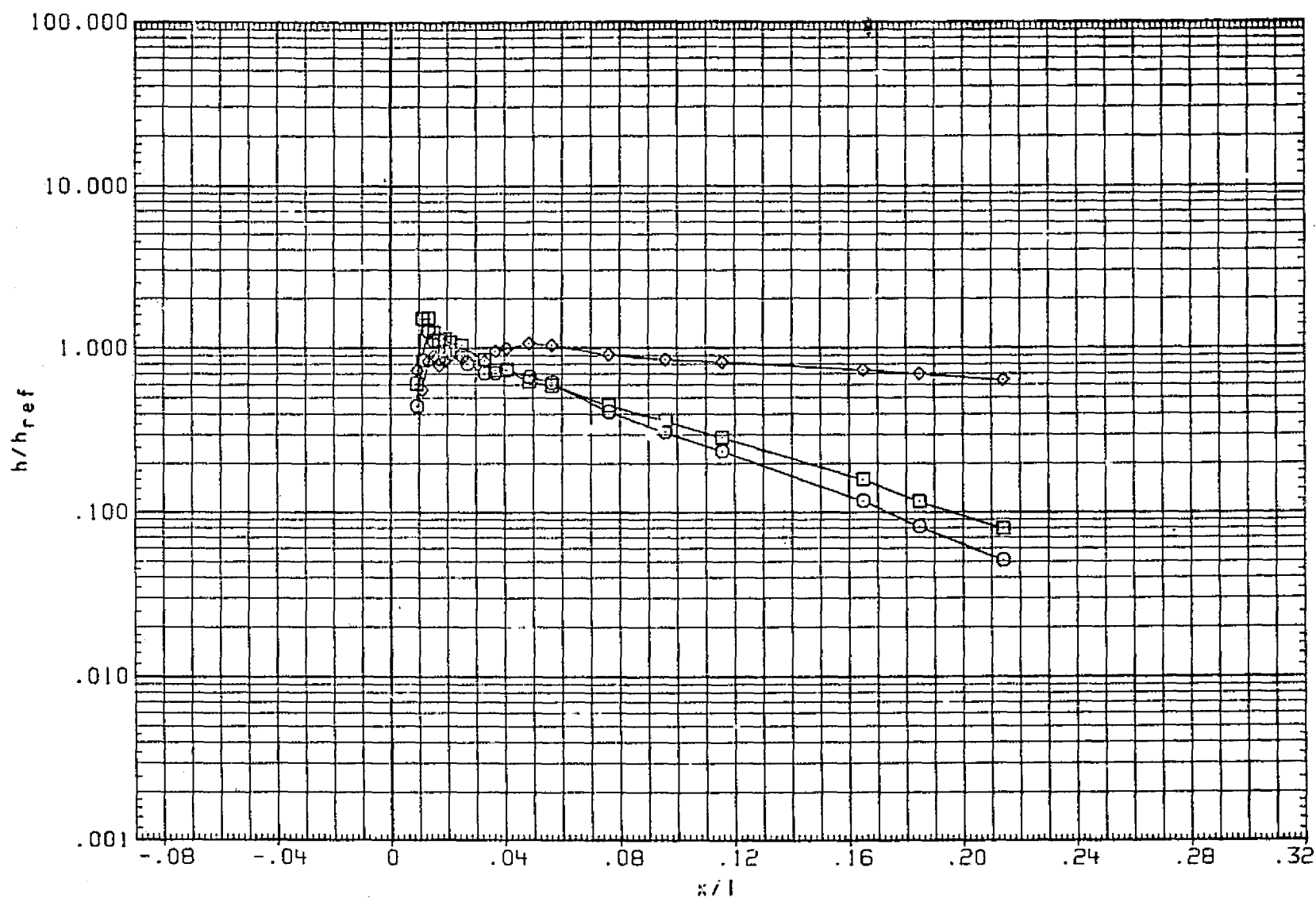


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)	.000	.000	5.000

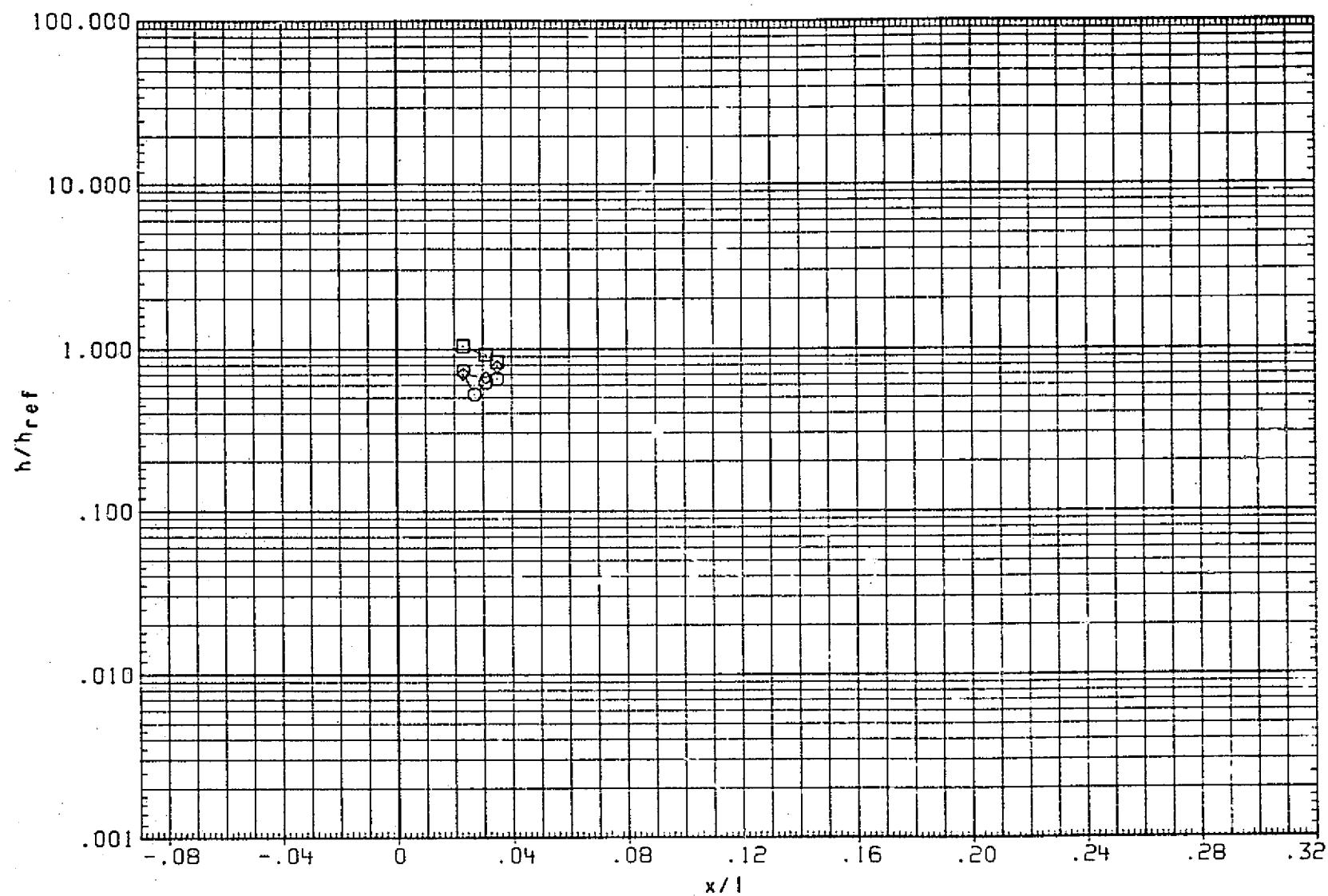


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.100

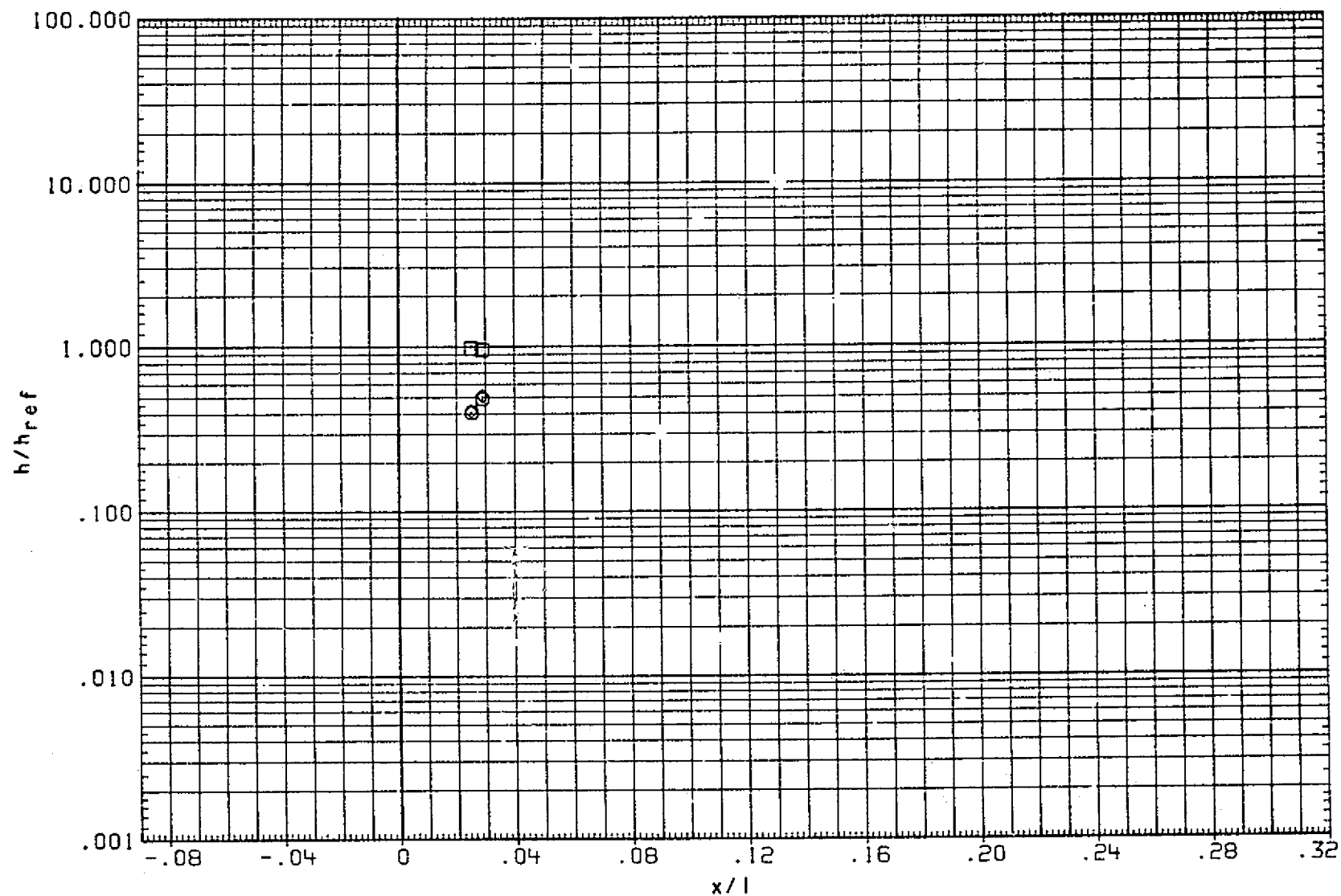


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

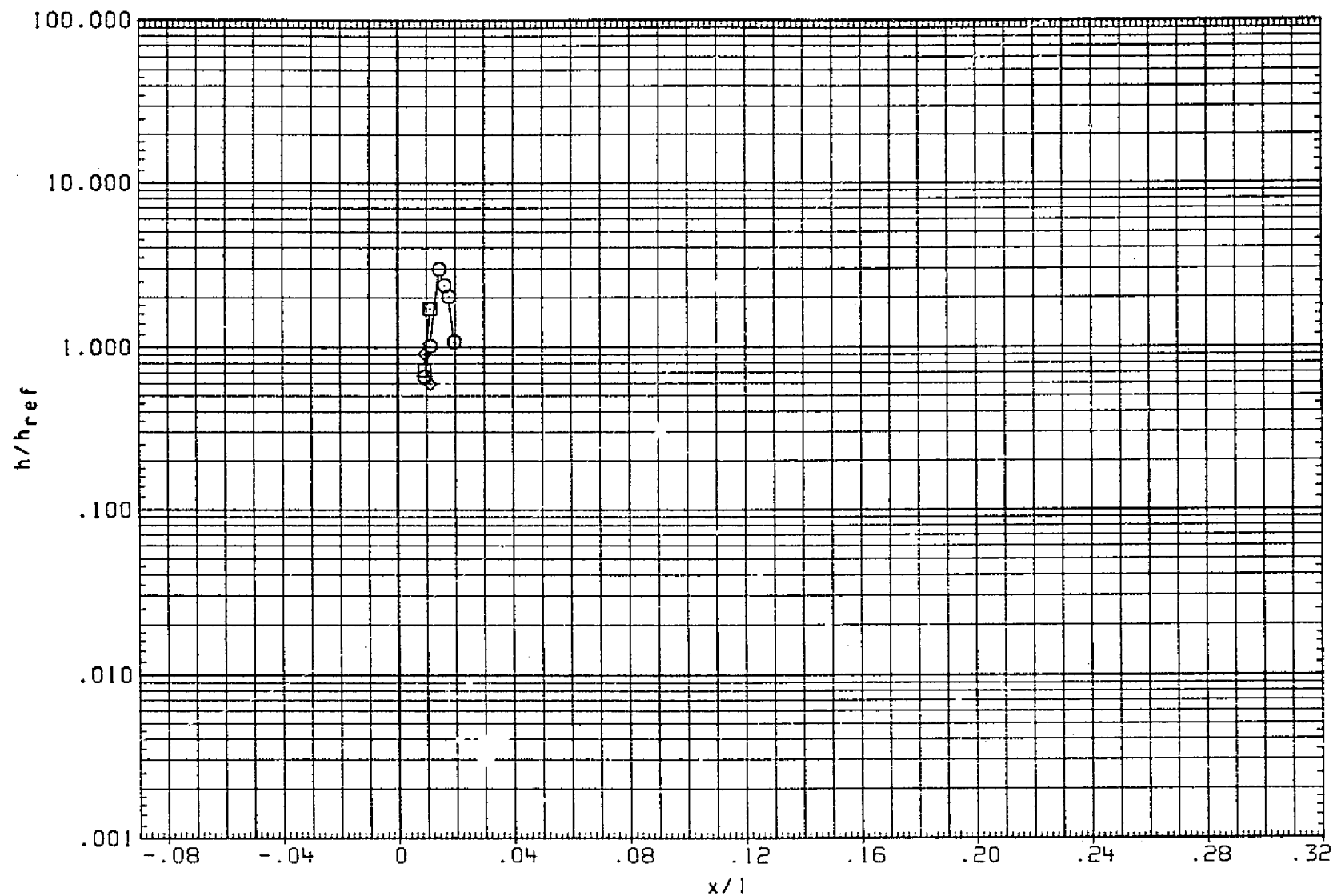


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) HI/HU (RNTT05/RNTT20)		.000	5.000

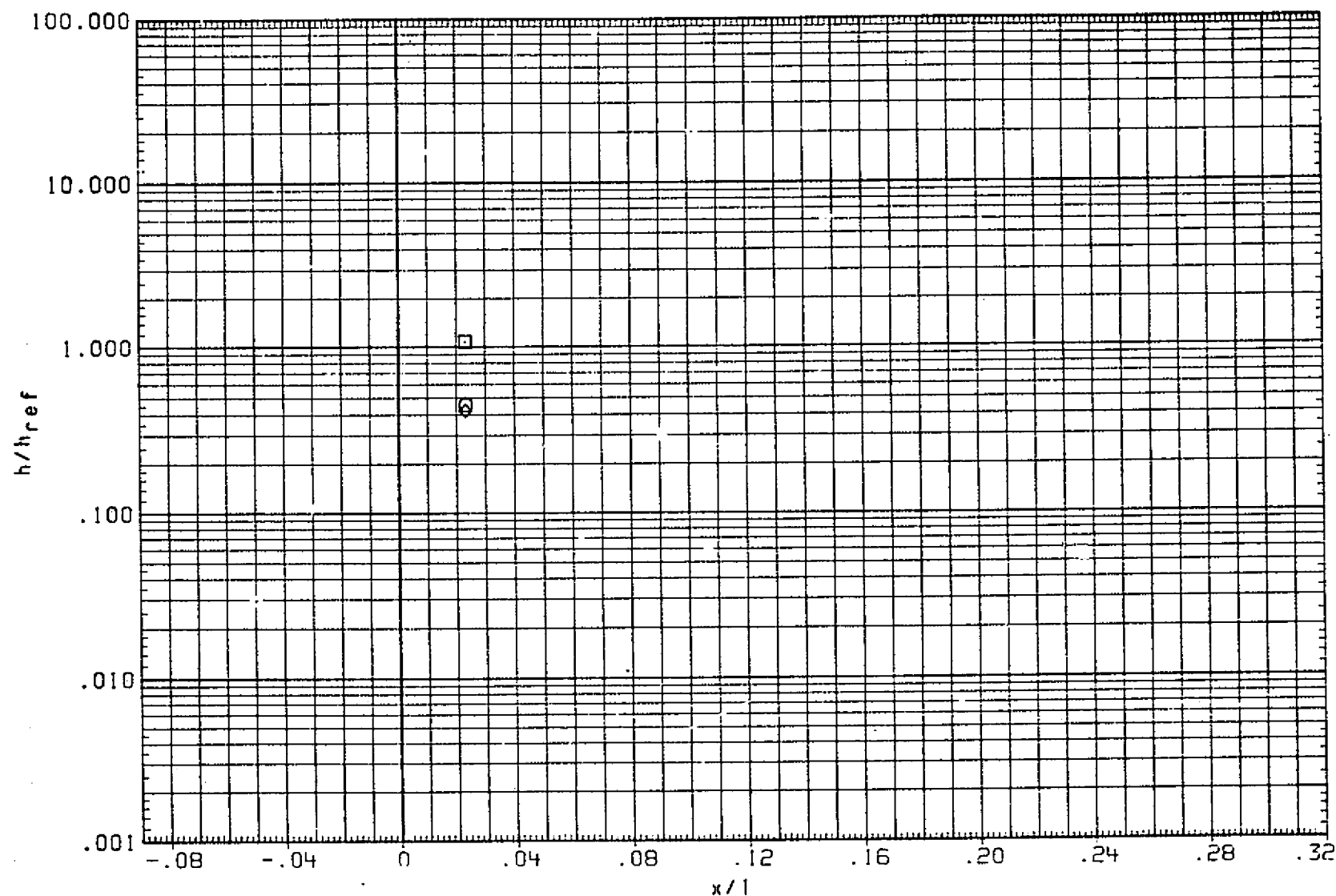


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

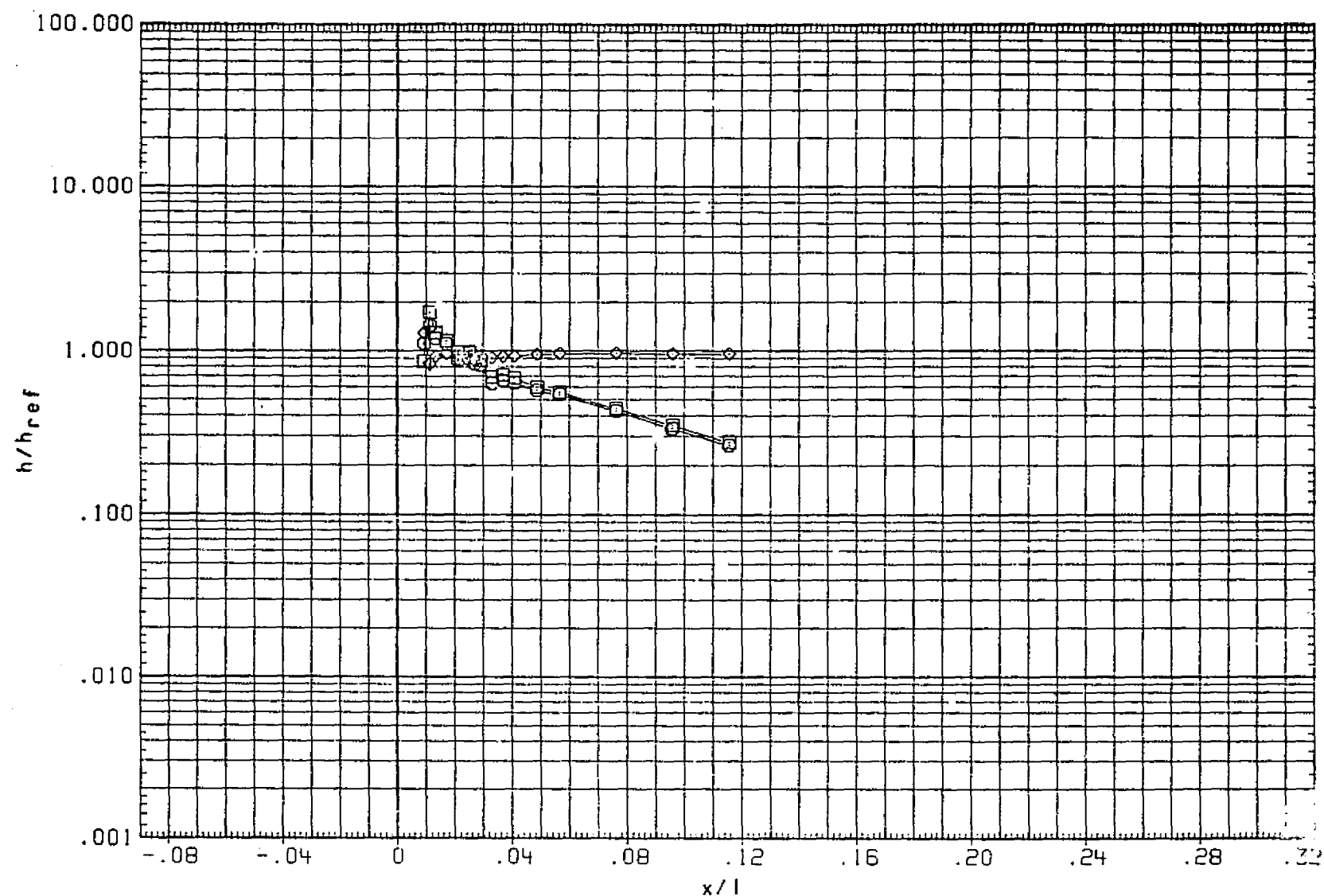


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

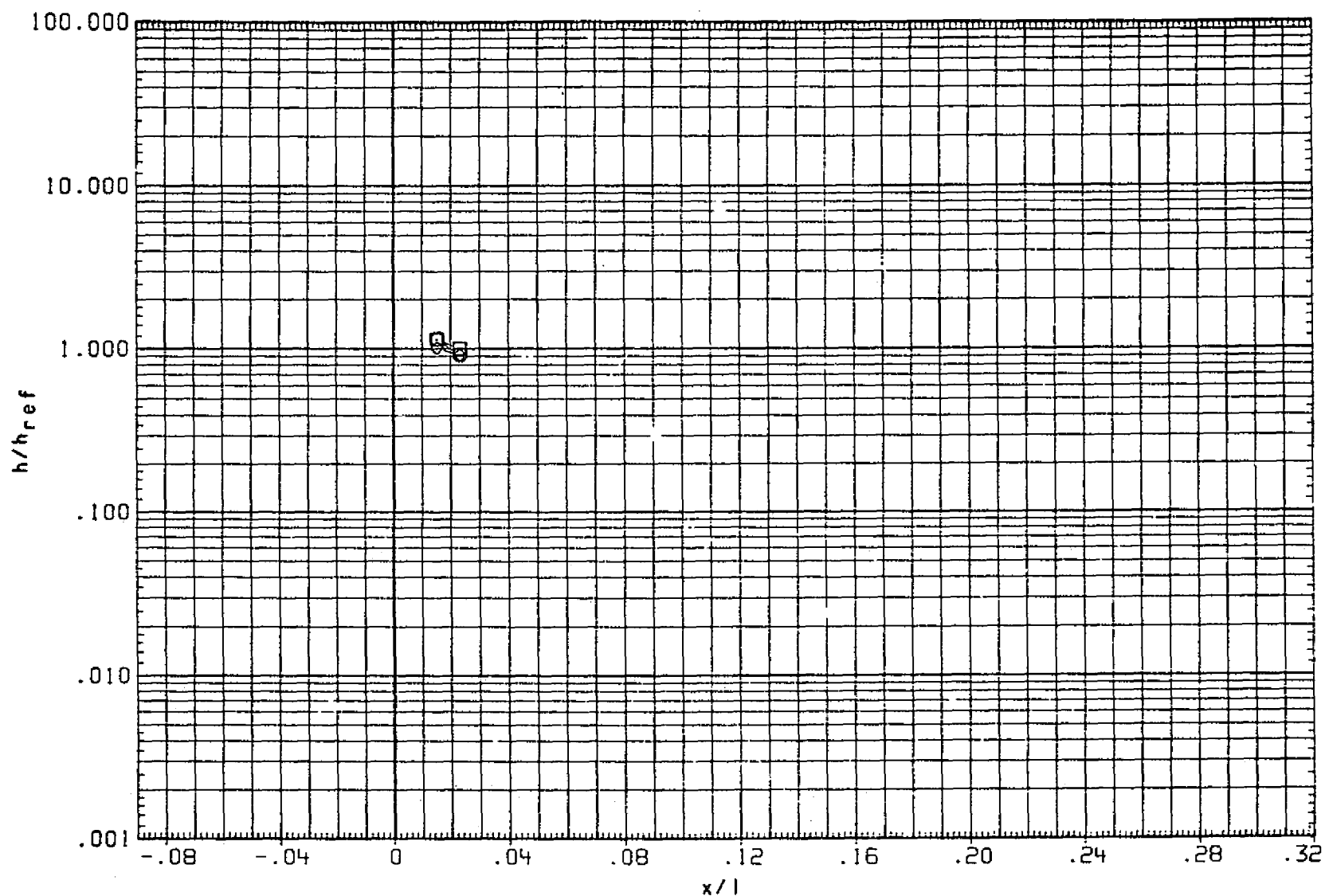


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

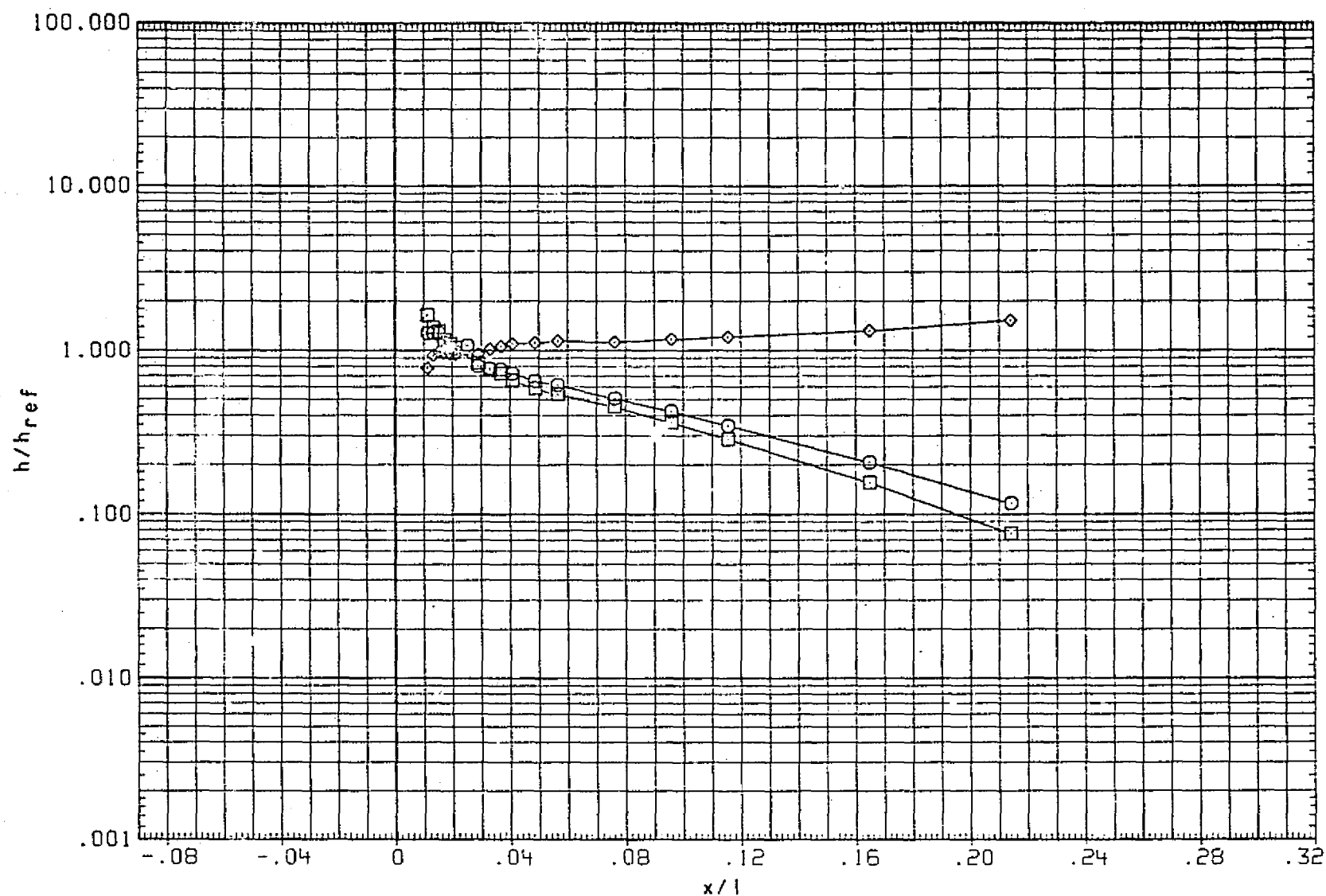


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	5.000	.000	5.000
(RNT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNT06/RNT20)		.000	5.000

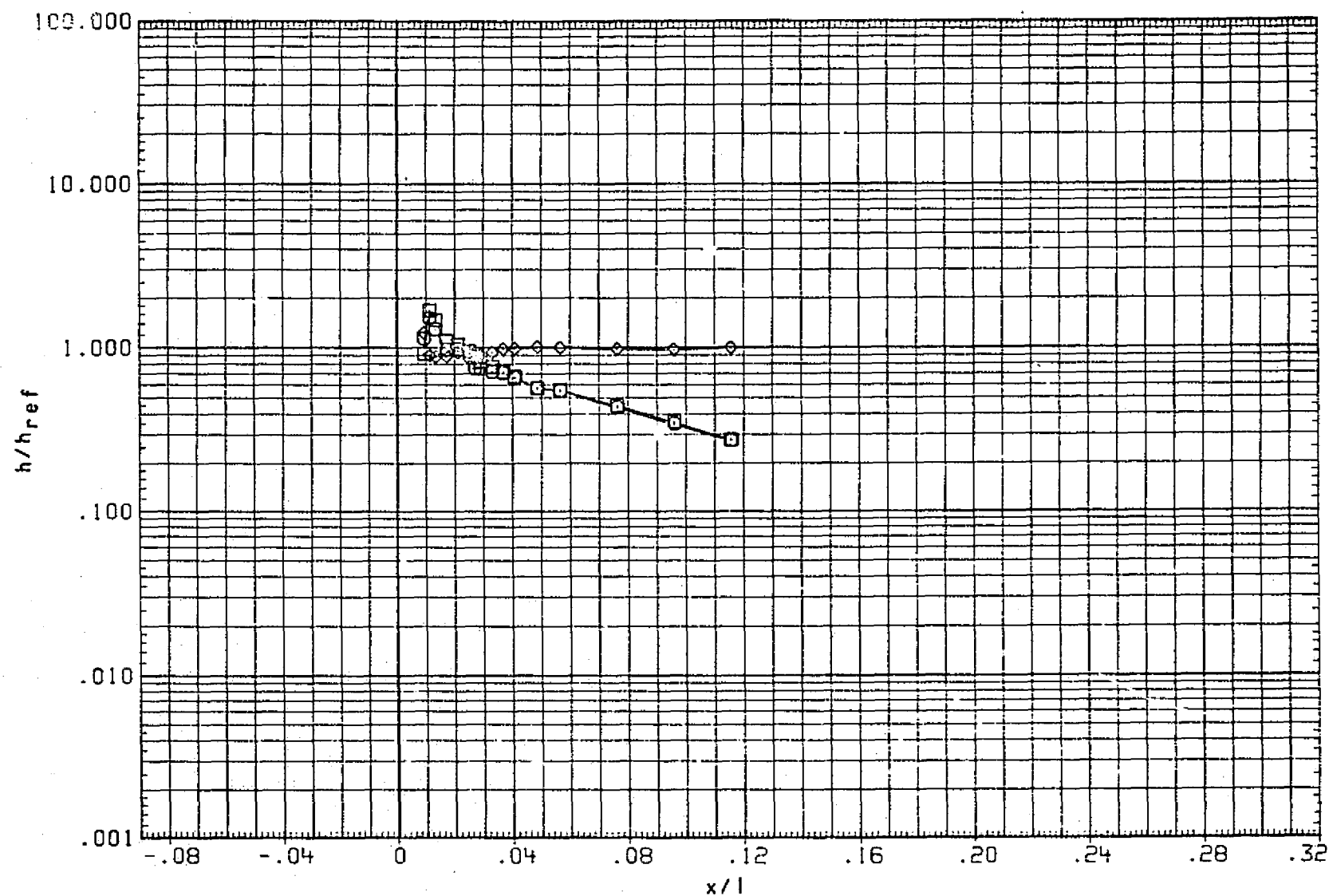


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1144

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

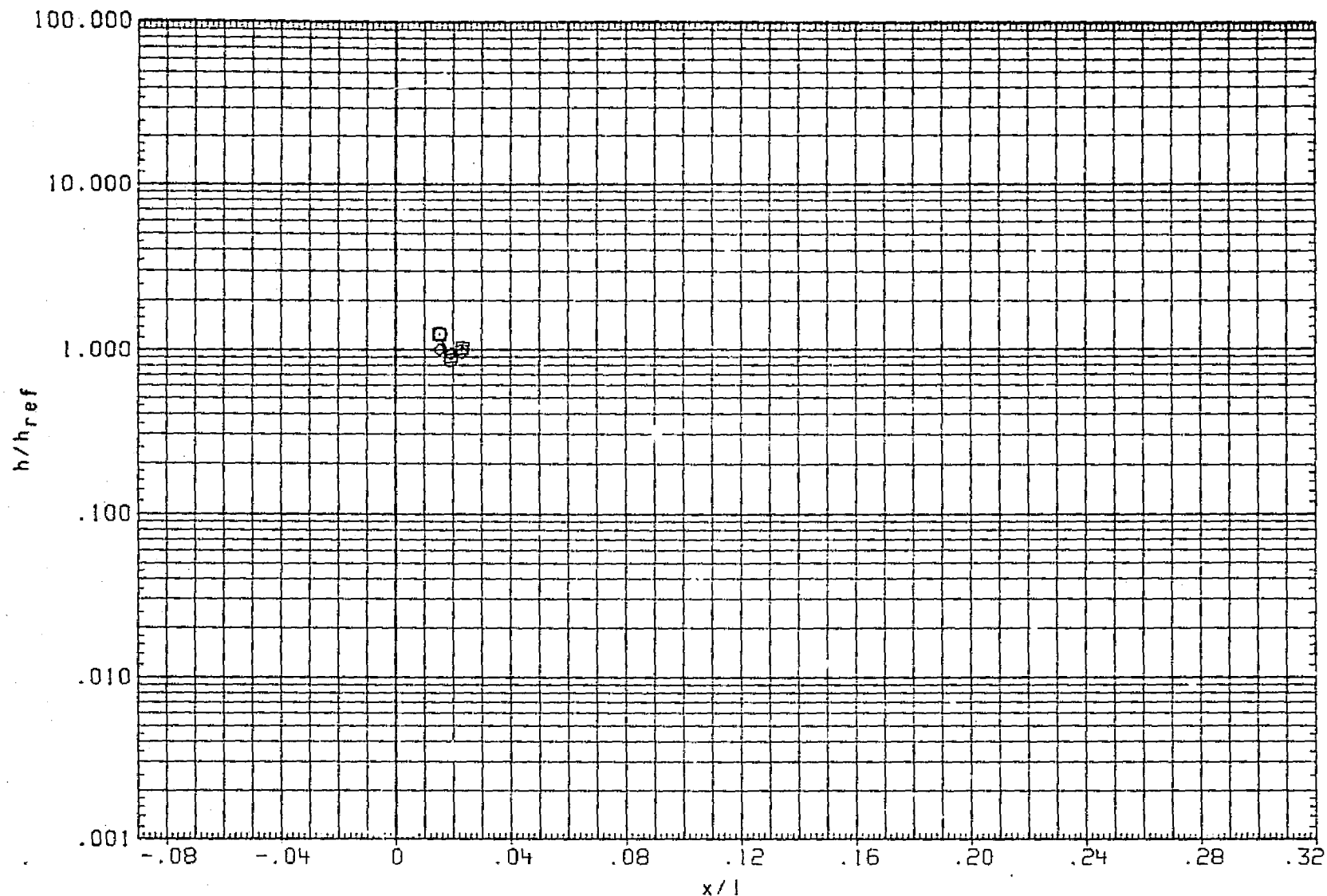


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

PAGE 1145

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT06)	◇	ARC3.5-215(FH14) H1/HJ (RNTT06/RNTT20)

ALPHA	BETA	RN/L
5.000	.000	5.000
.000	.000	5.000
.000	.000	5.000

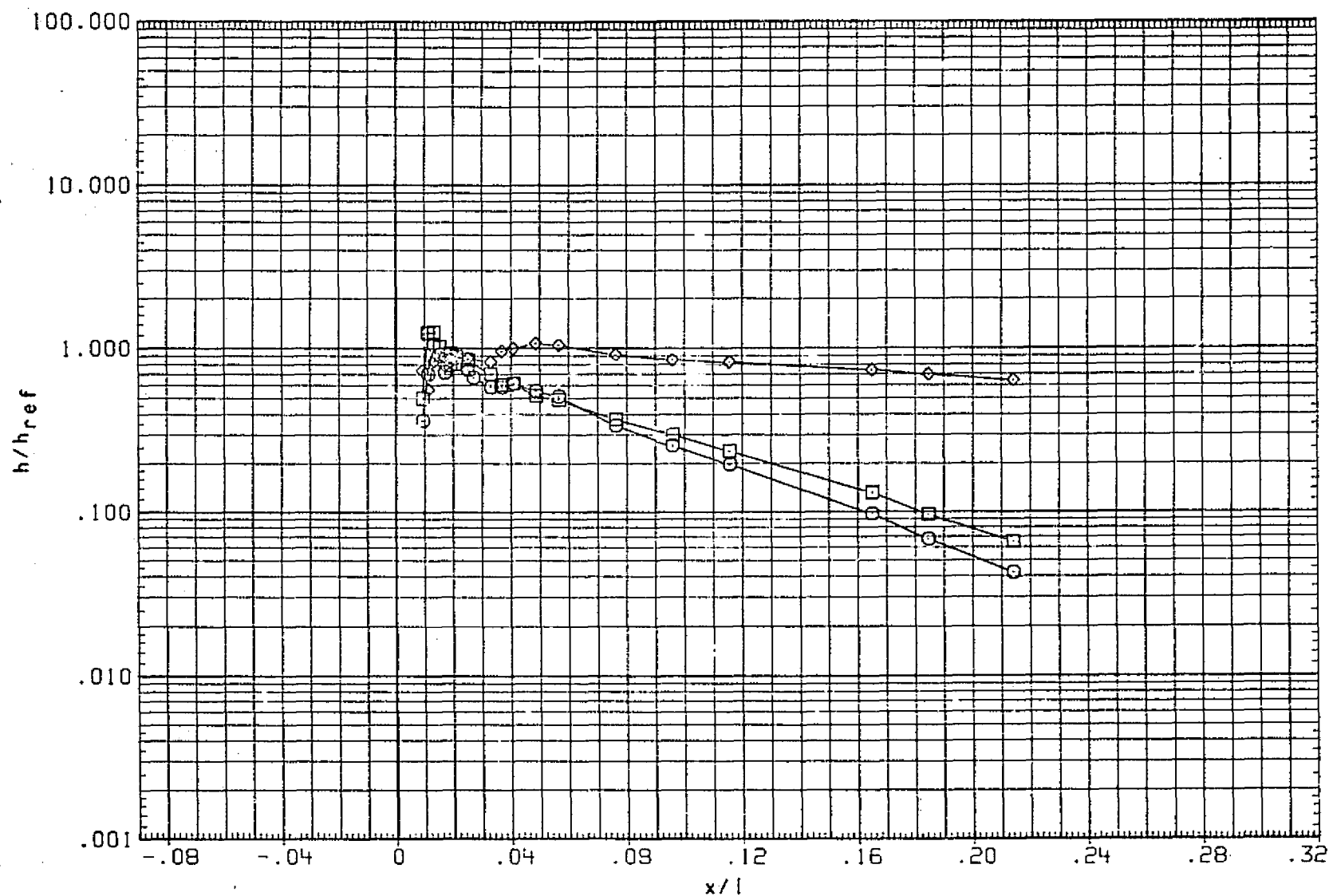


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

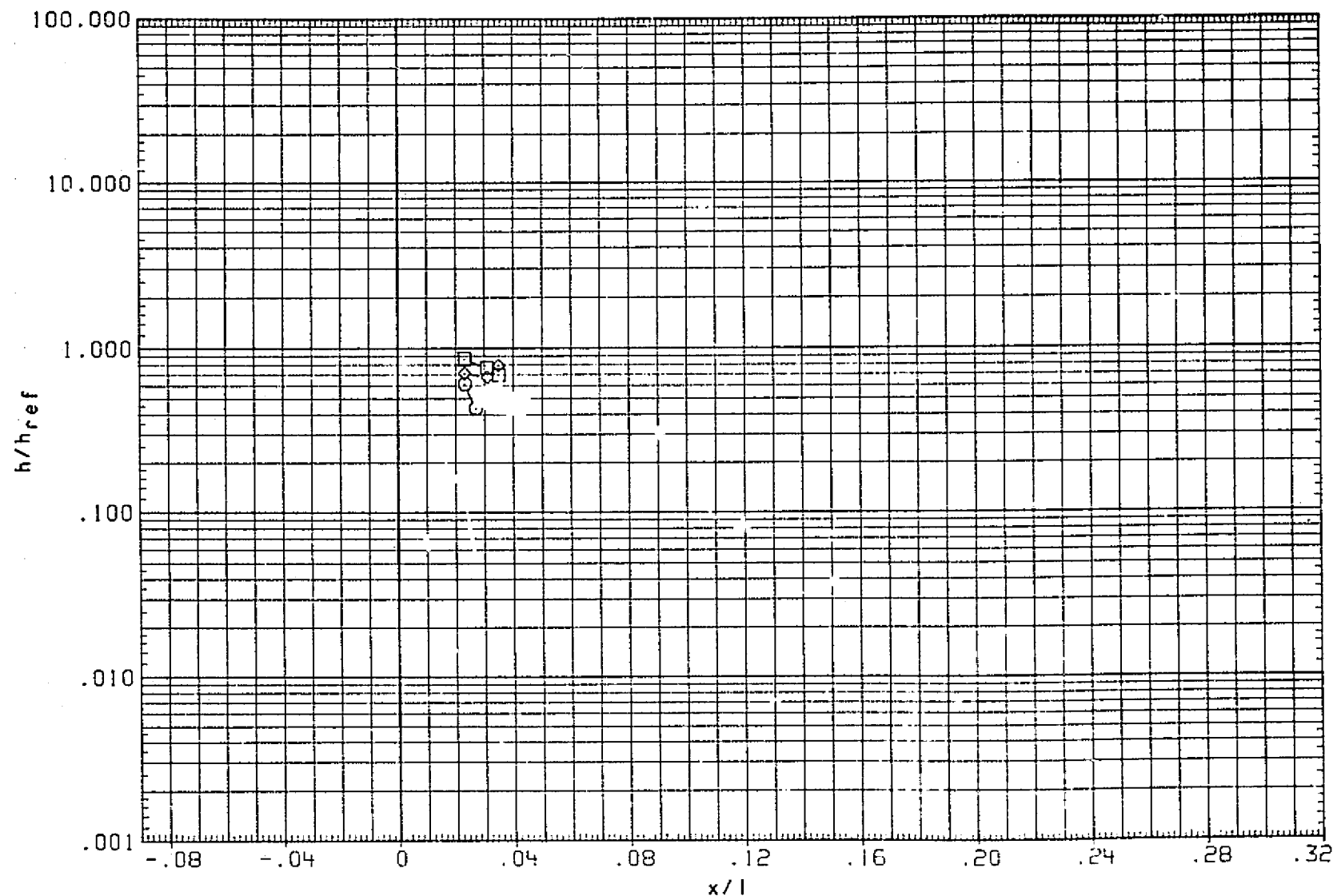


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT05)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT05)	◇	ARC3.5-215(FH14) H1/HU (RNTT05/RNTT20)	.000	.000	5.000

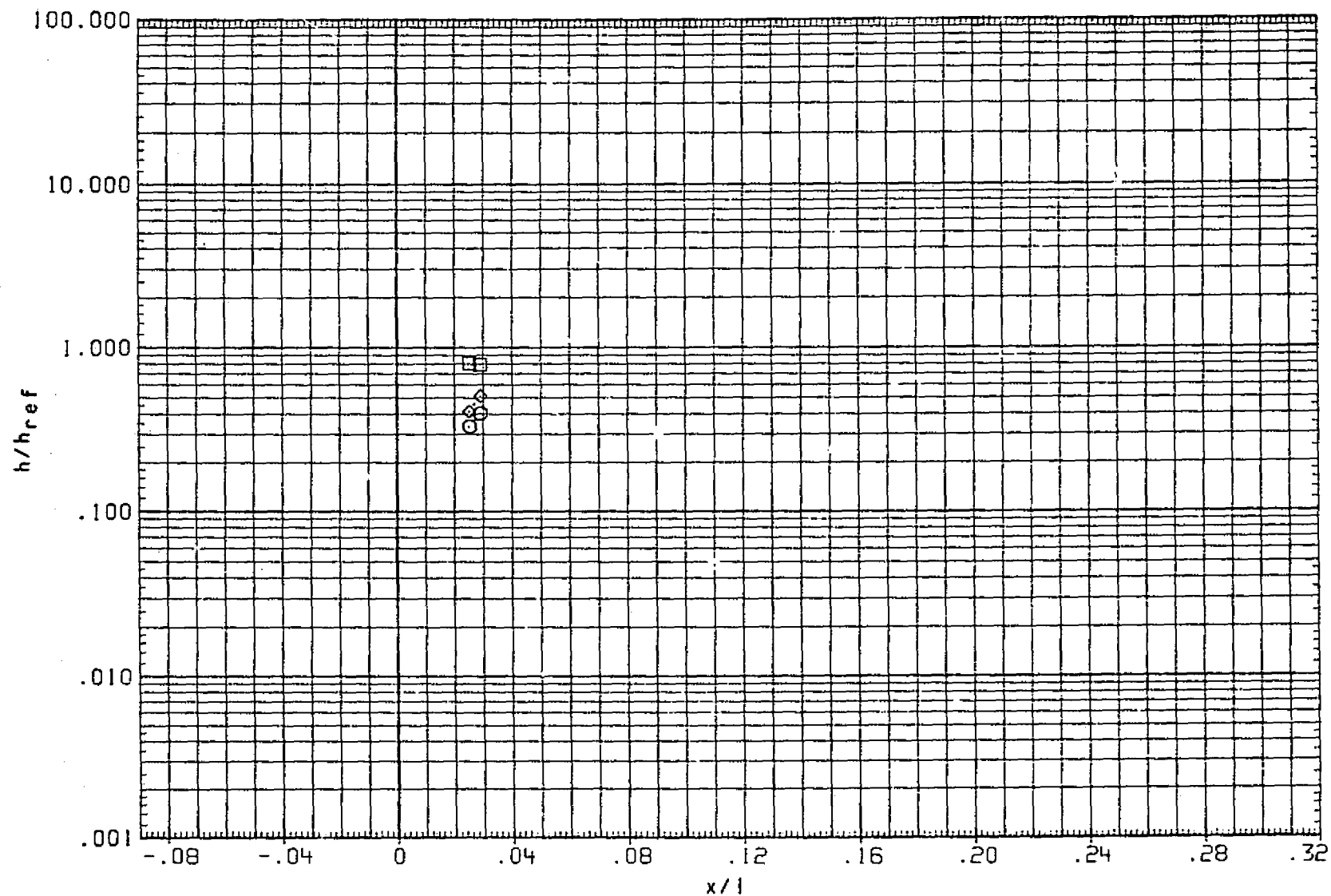


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

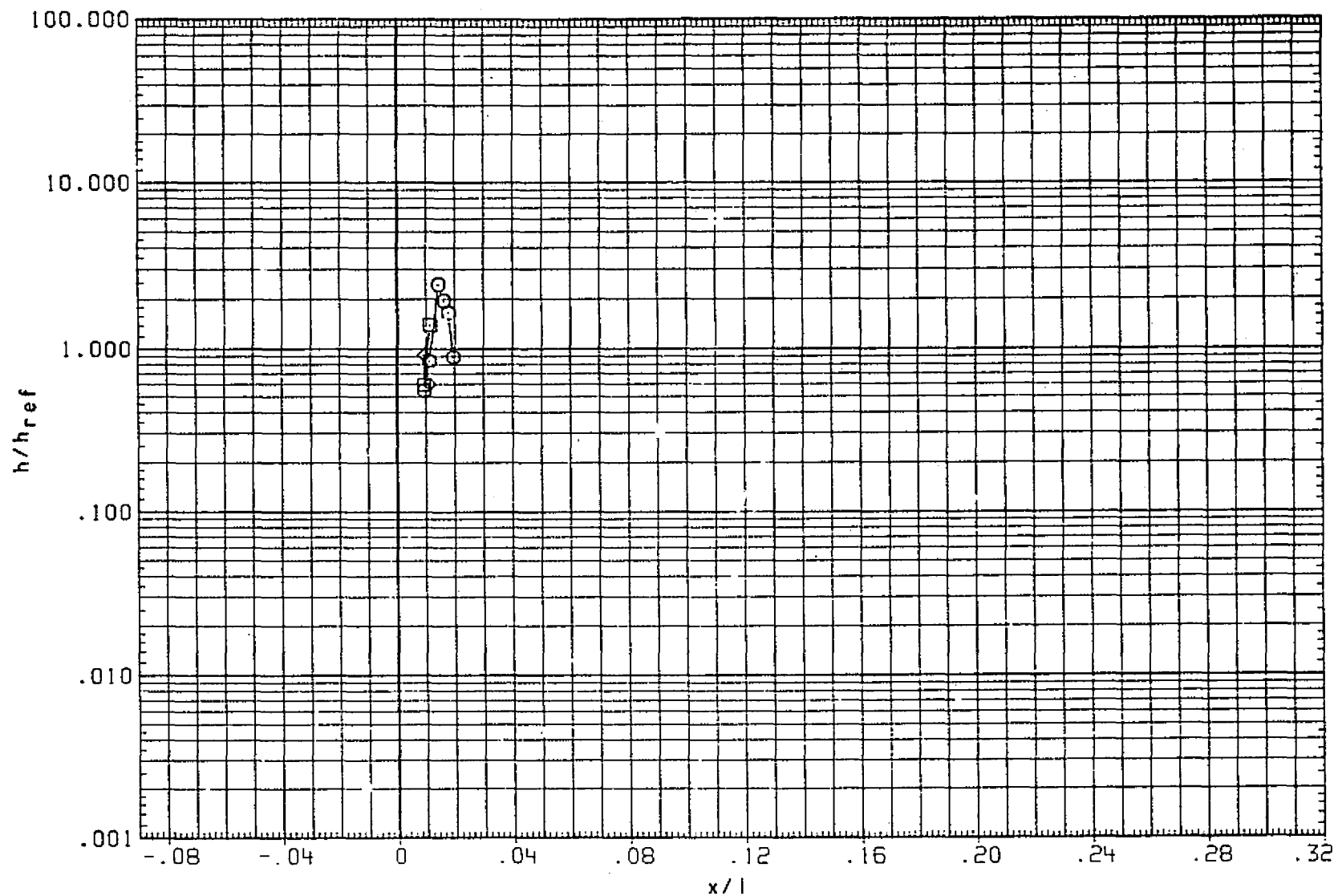


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)		.000	5.000

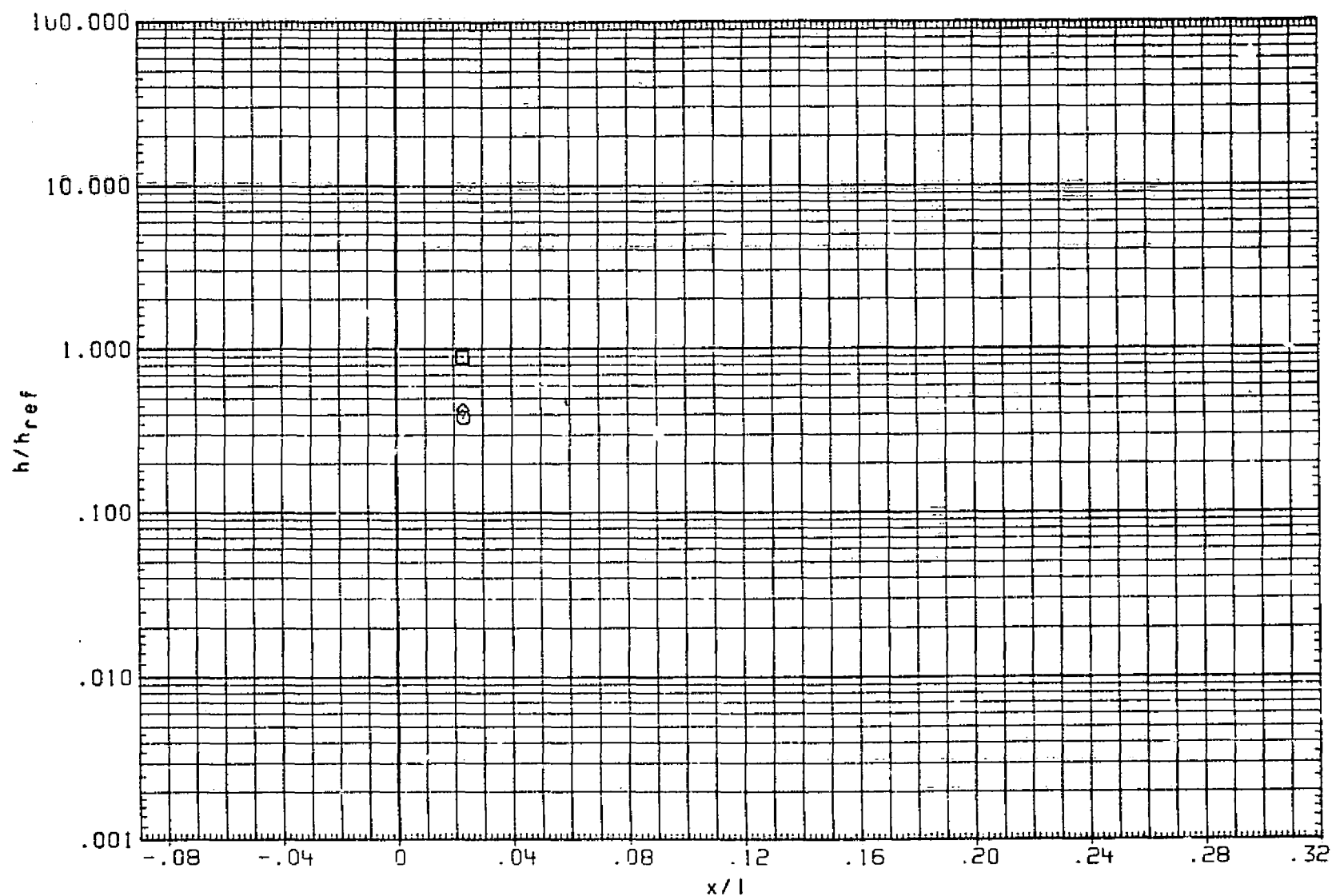


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)	.000	.000	5.000

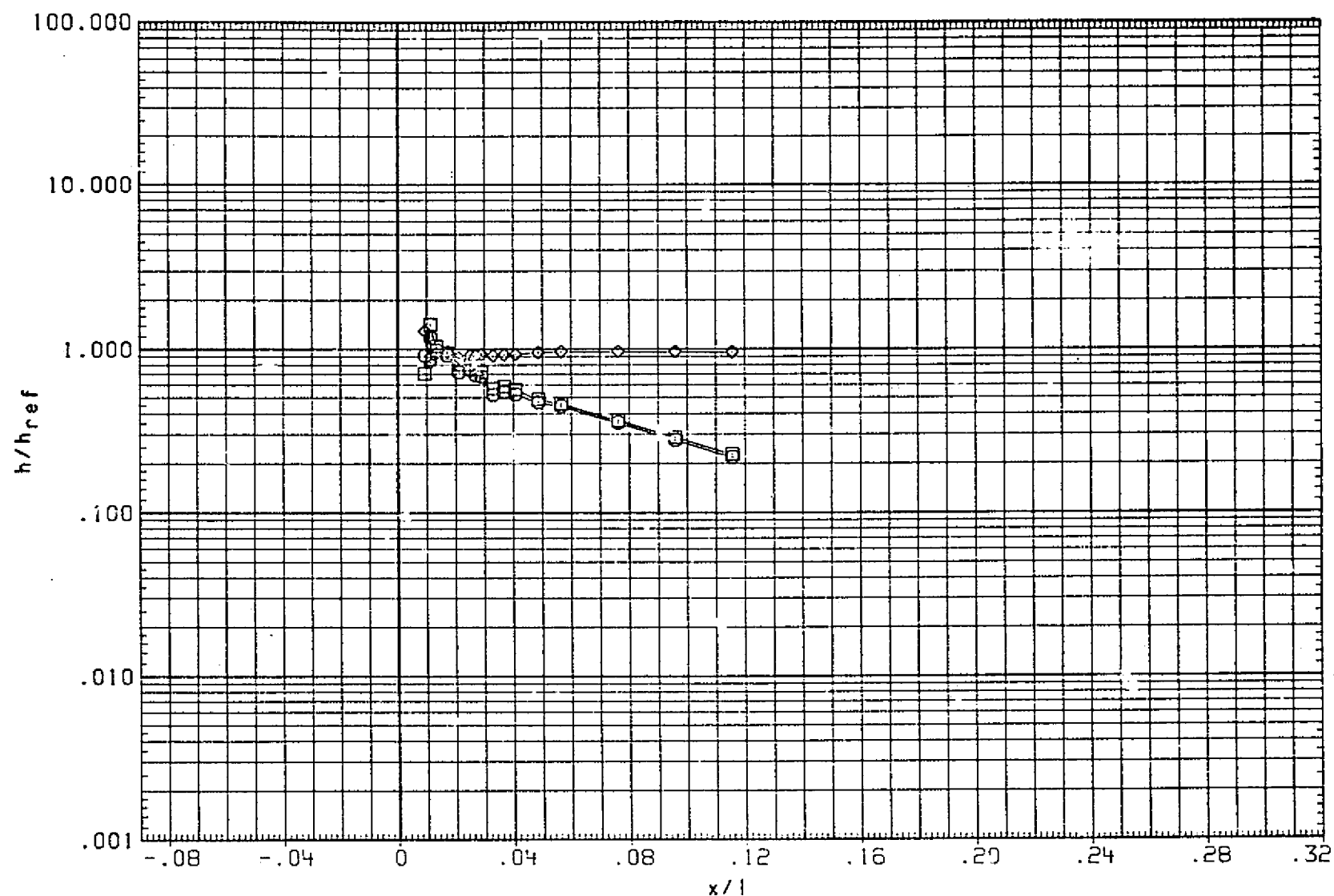


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)	.000	.000	5.000

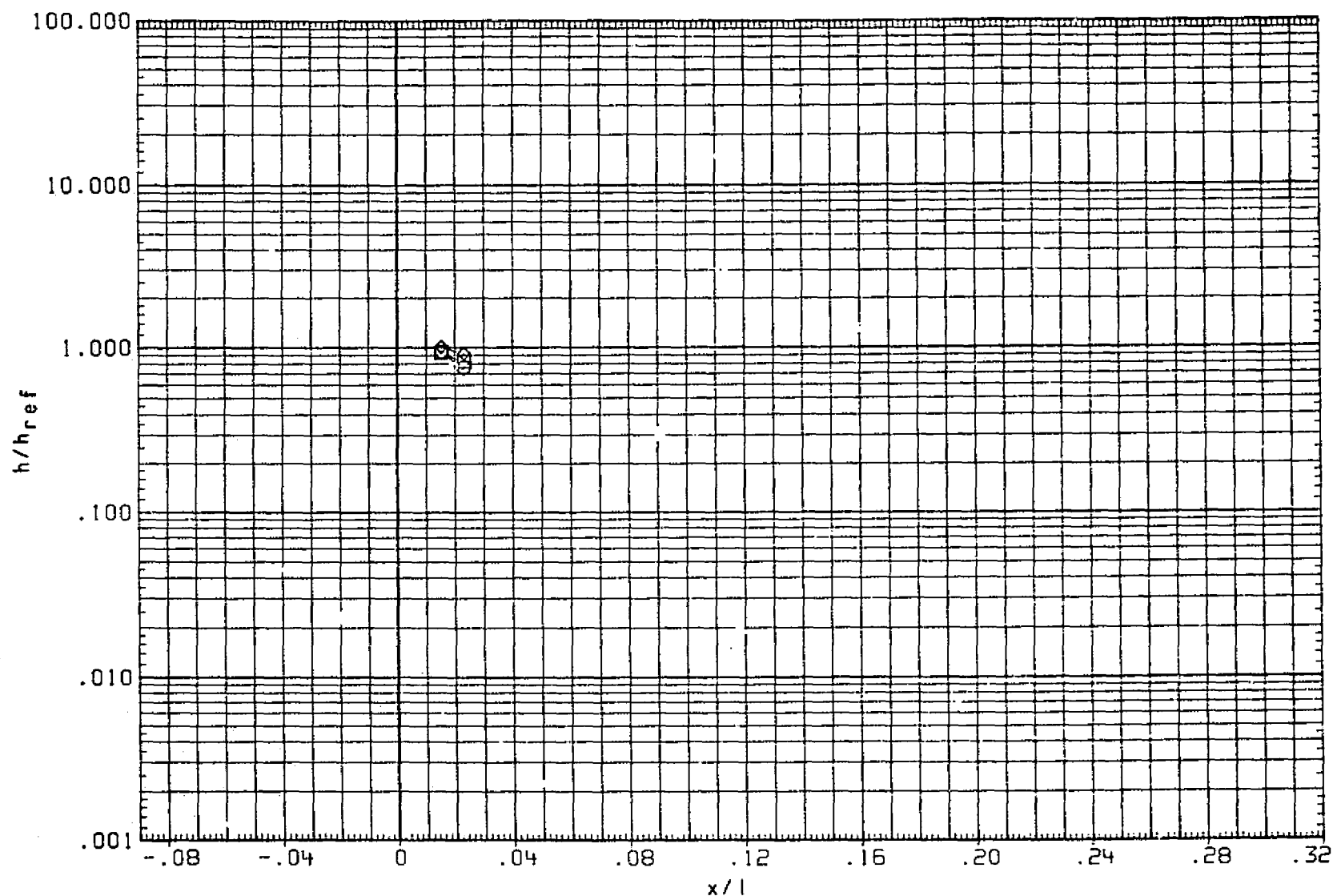


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.300	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)		.000	5.000

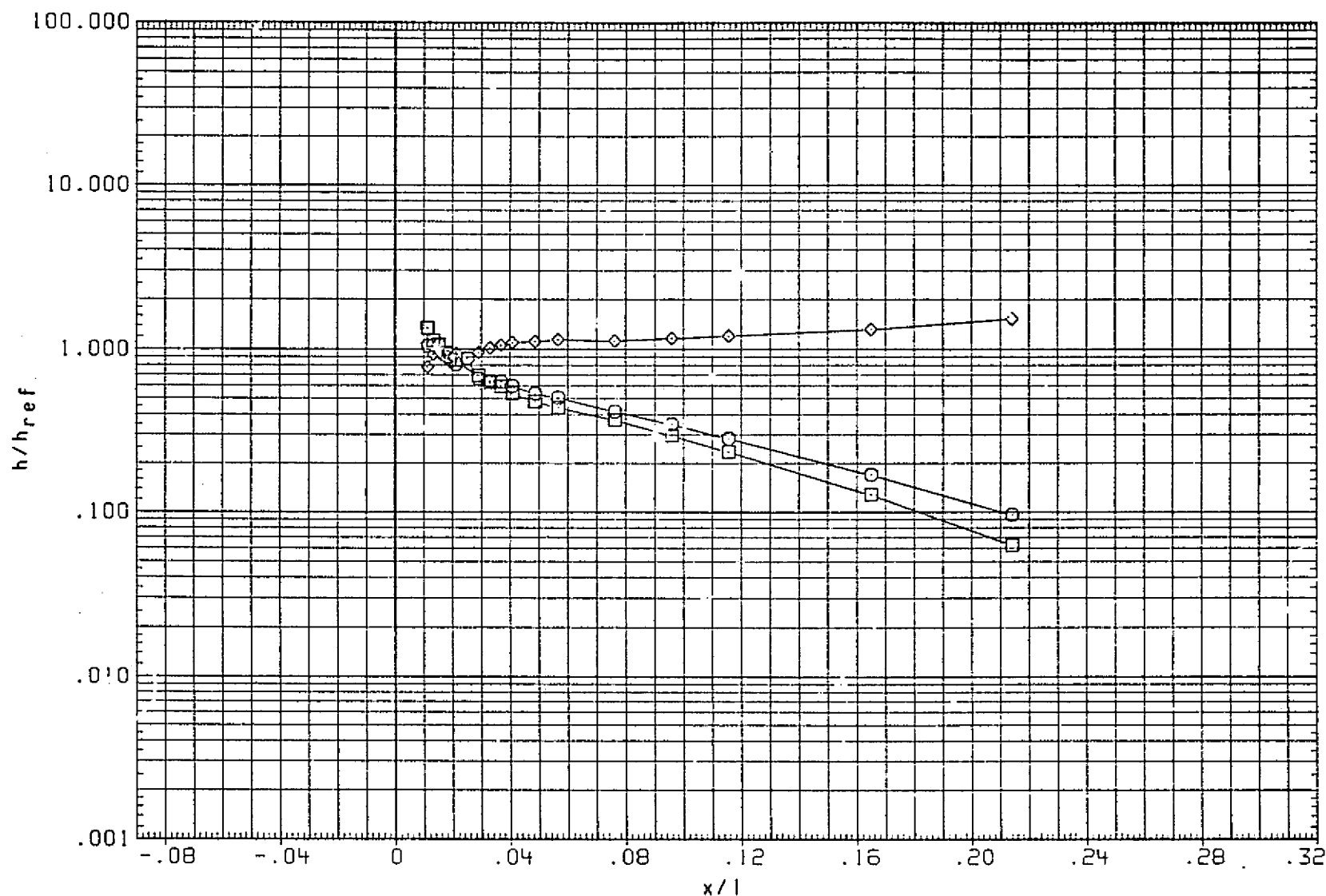


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) HI/HU (RNTT06/RNTT20)	.000	.000	5.000

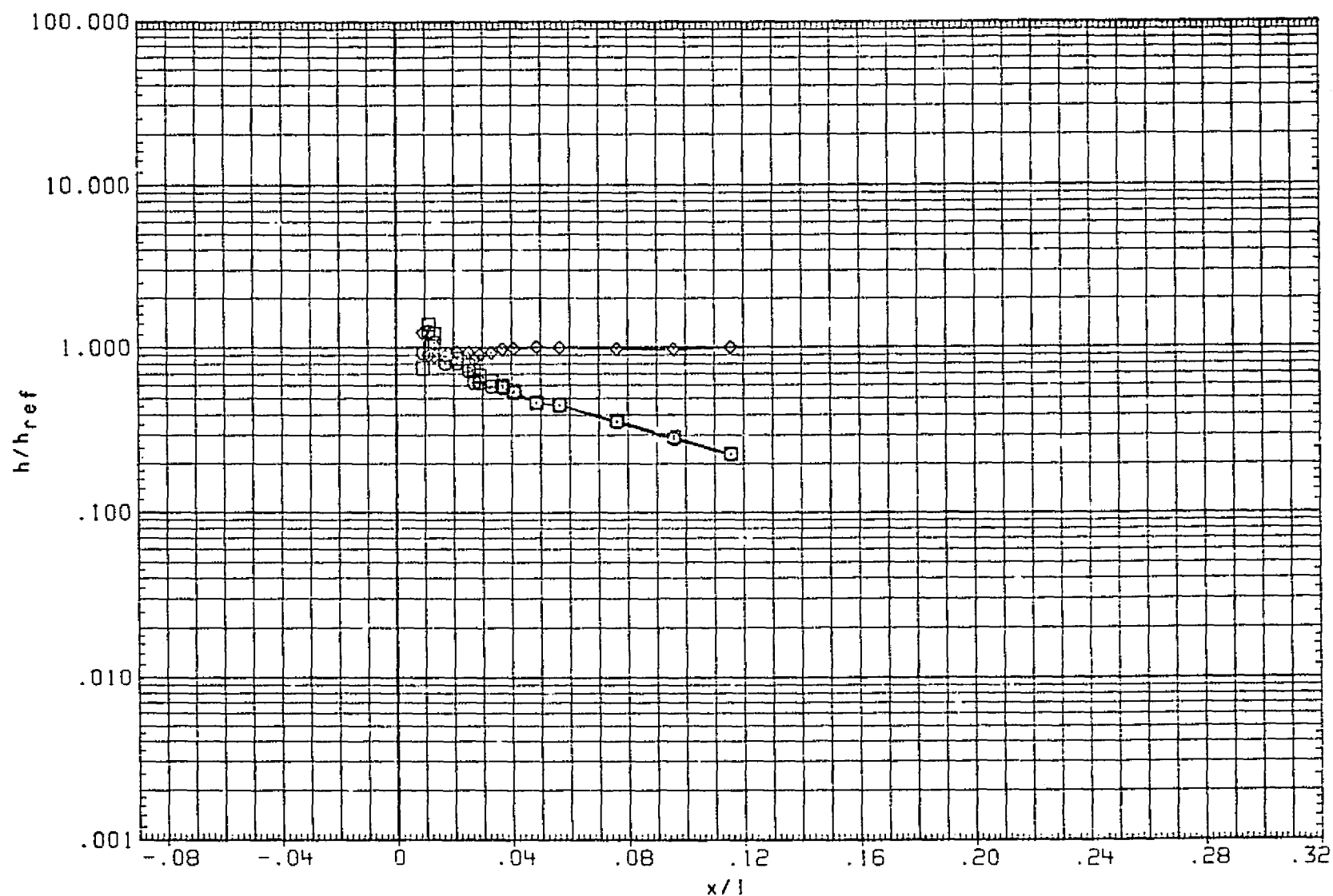


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT06)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT06)	◇	ARC3.5-215(FH14) H1/HU (RNTT06/RNTT20)	.000	.000	5.000

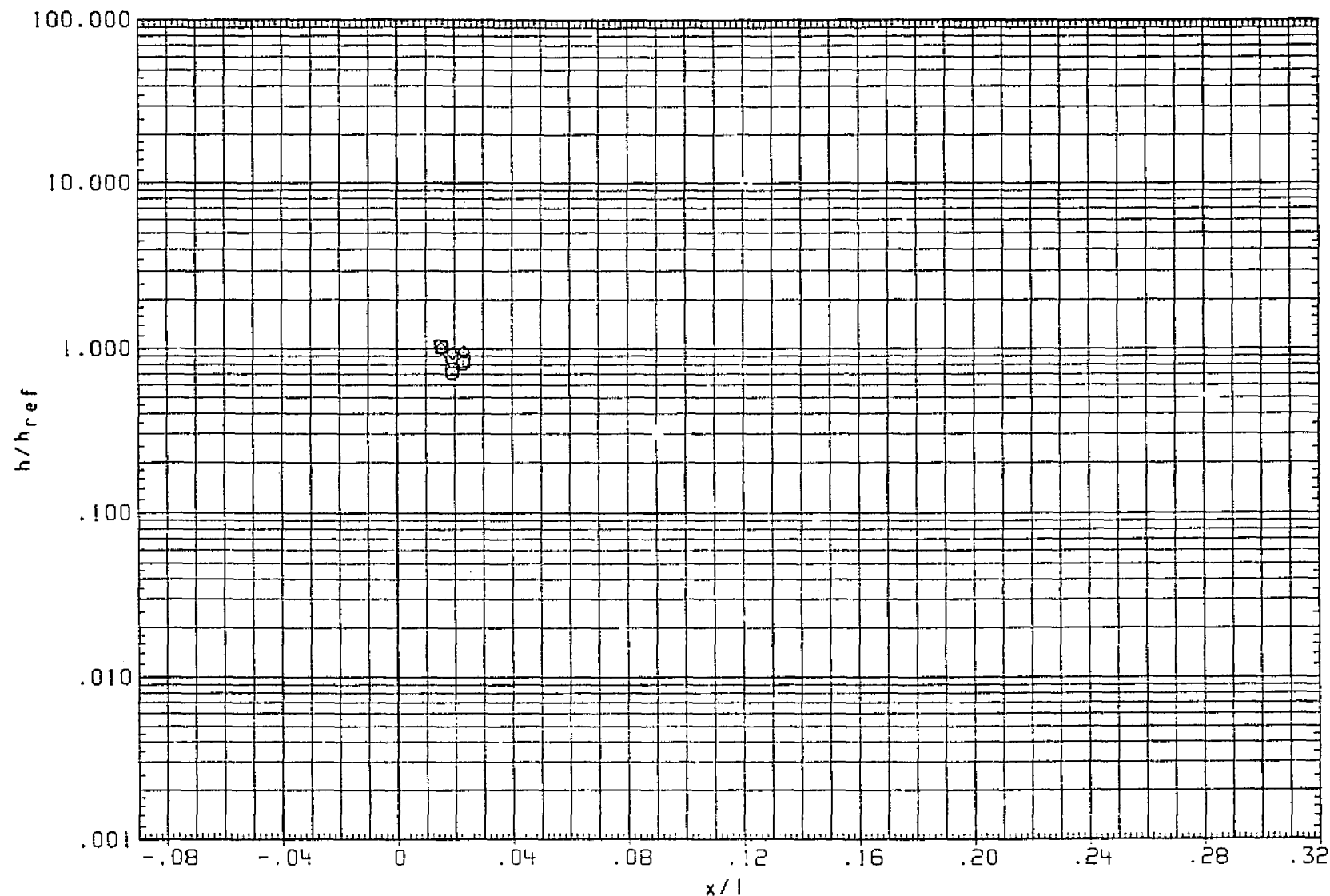


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

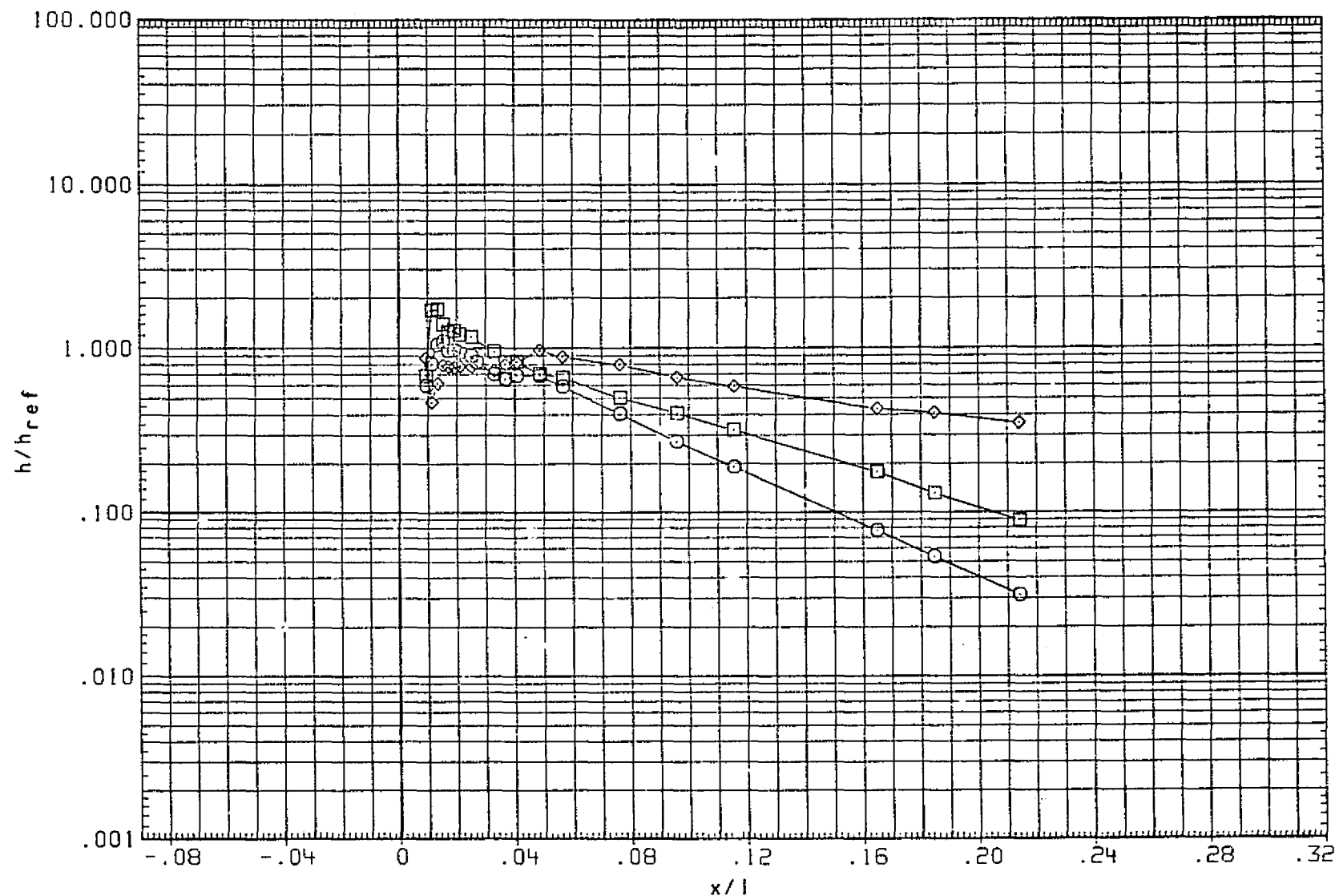


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)		.000	5.000

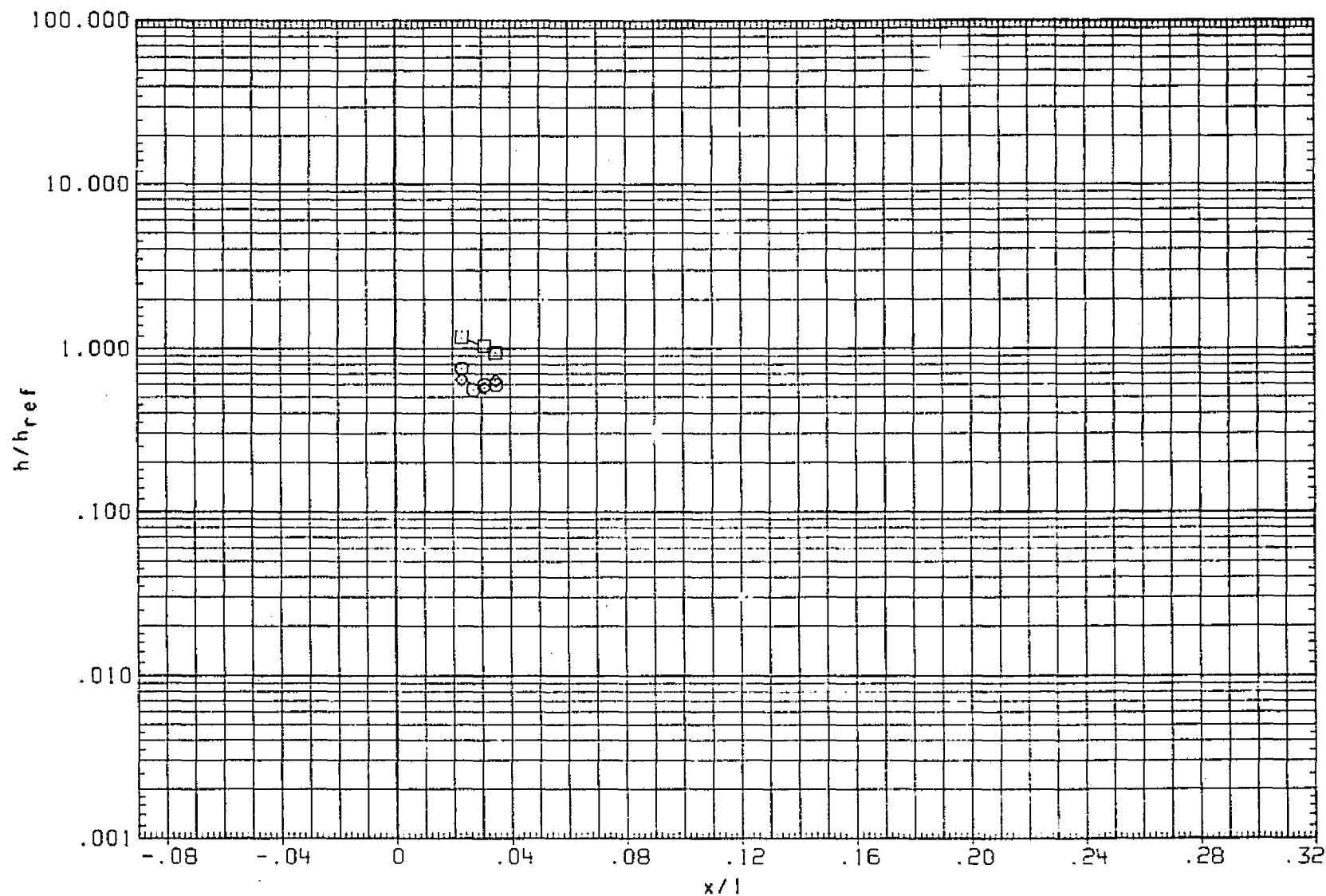


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

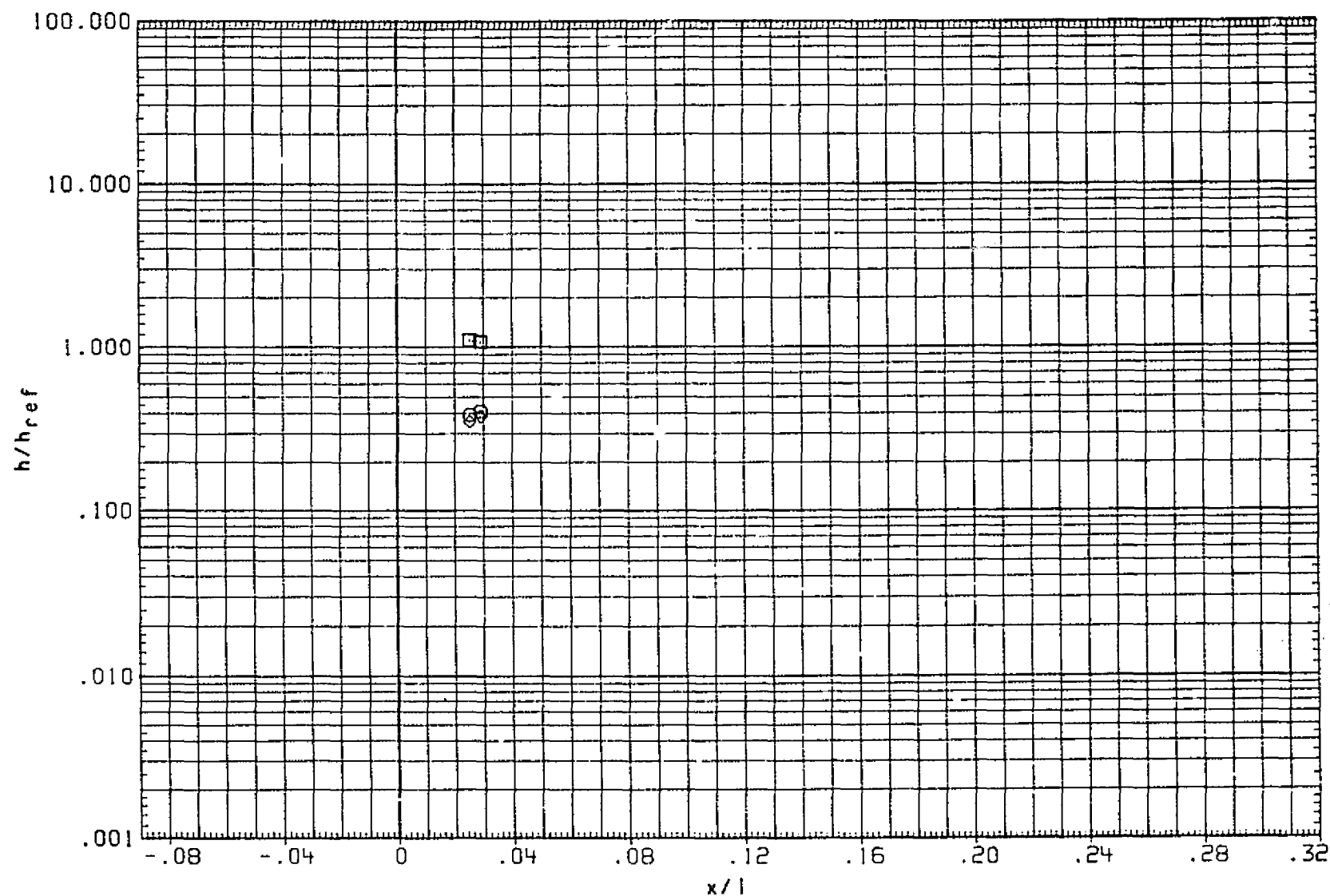


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1158

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)		.000	5.000

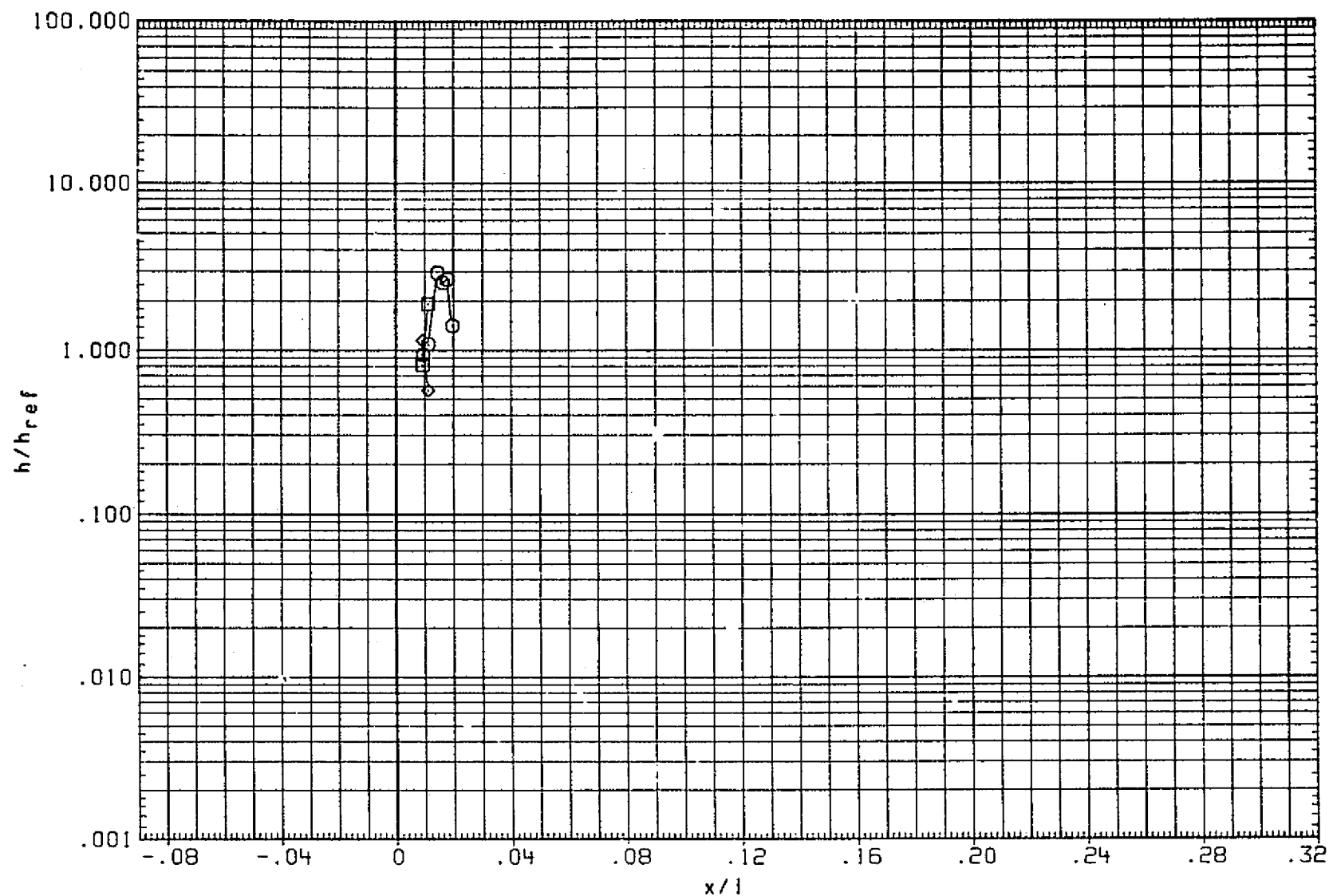


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

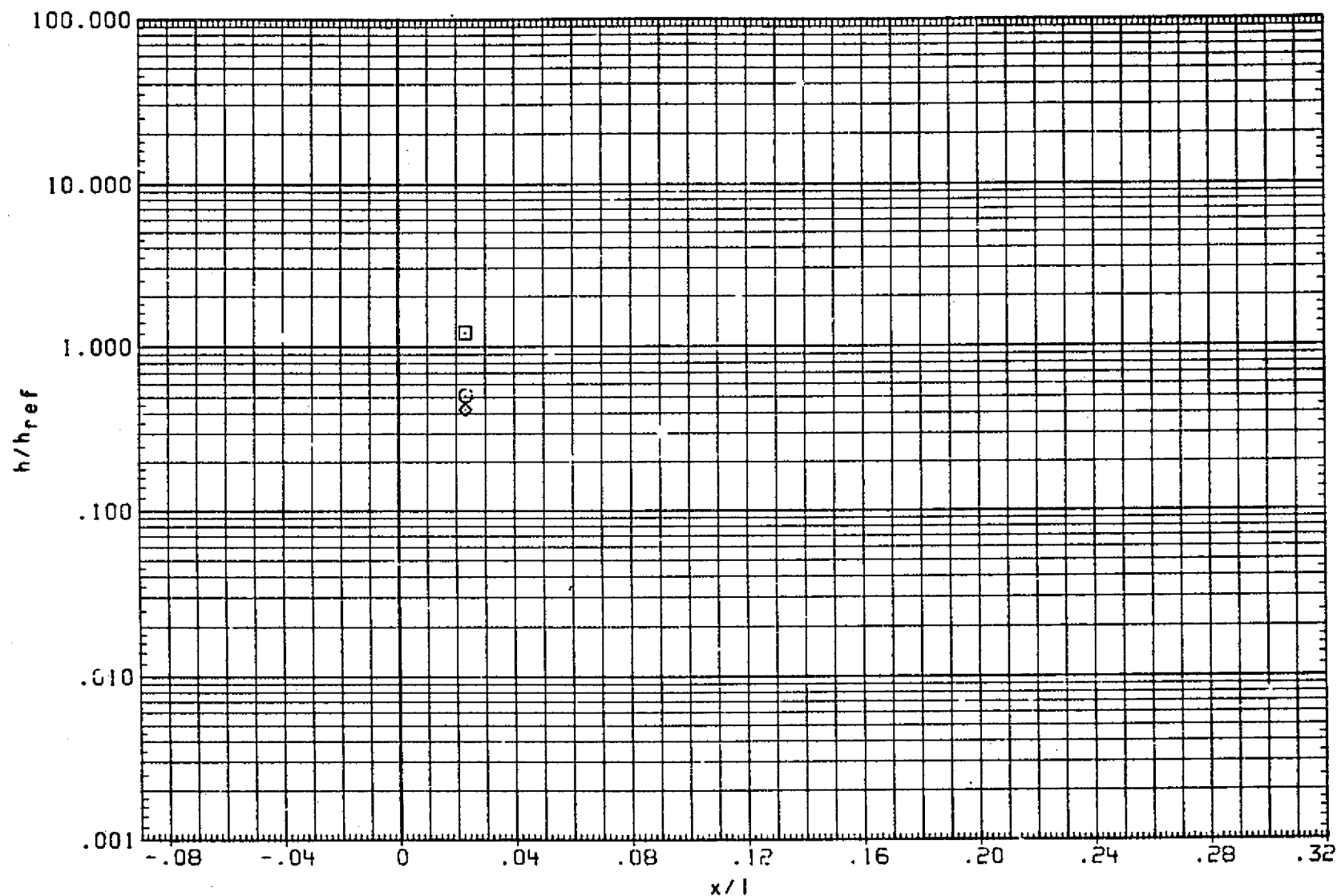


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

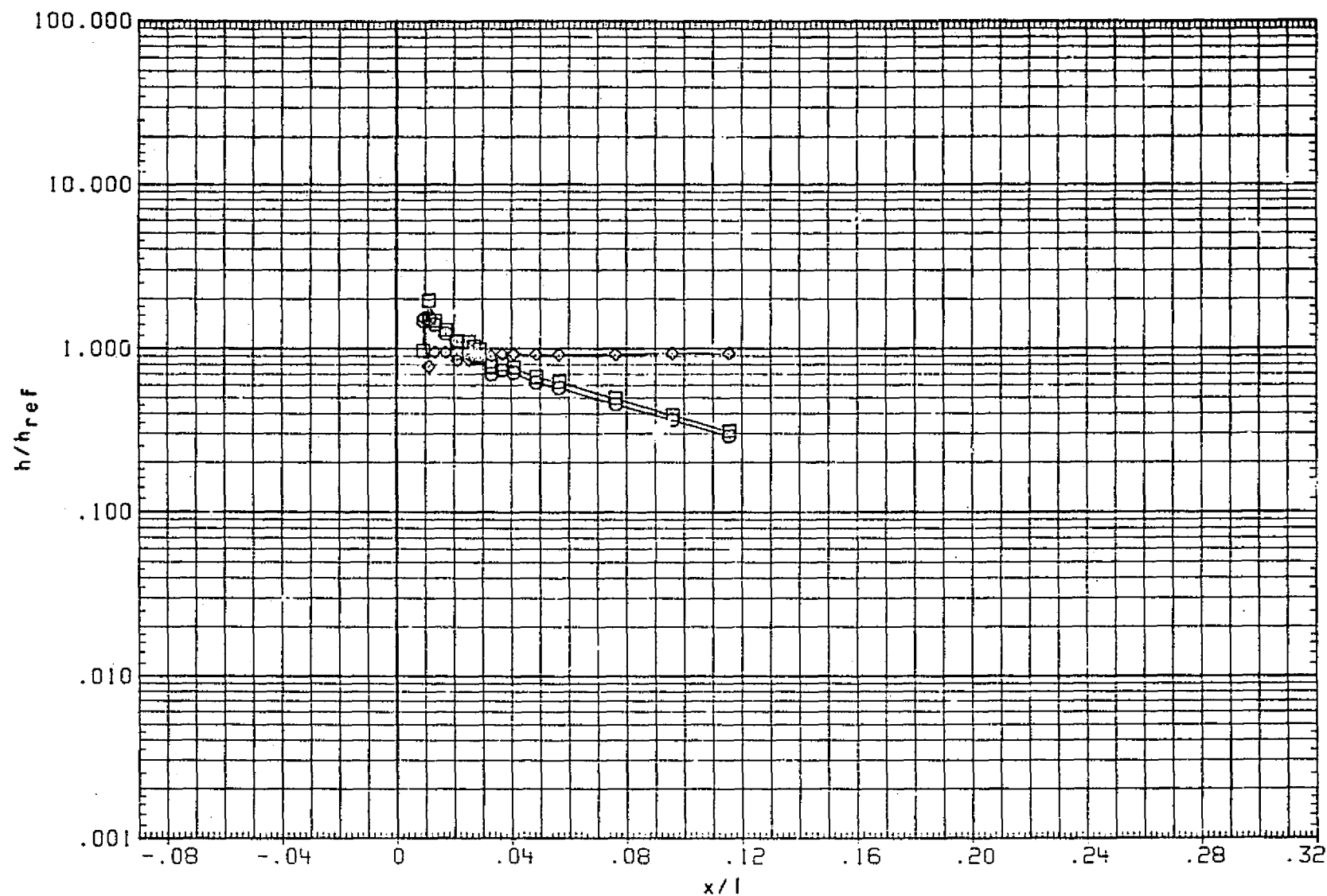


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

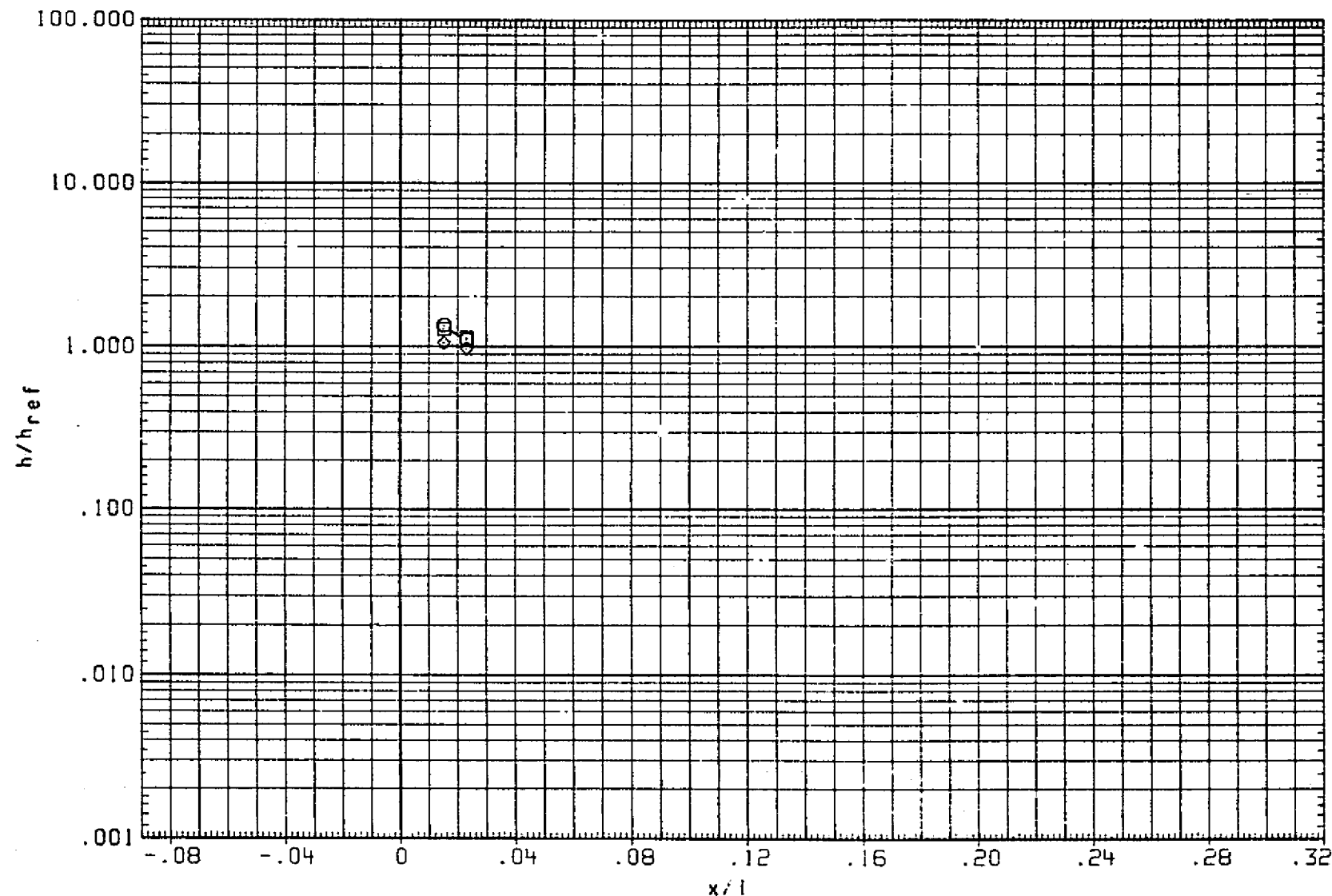


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)	.000	.000	5.000

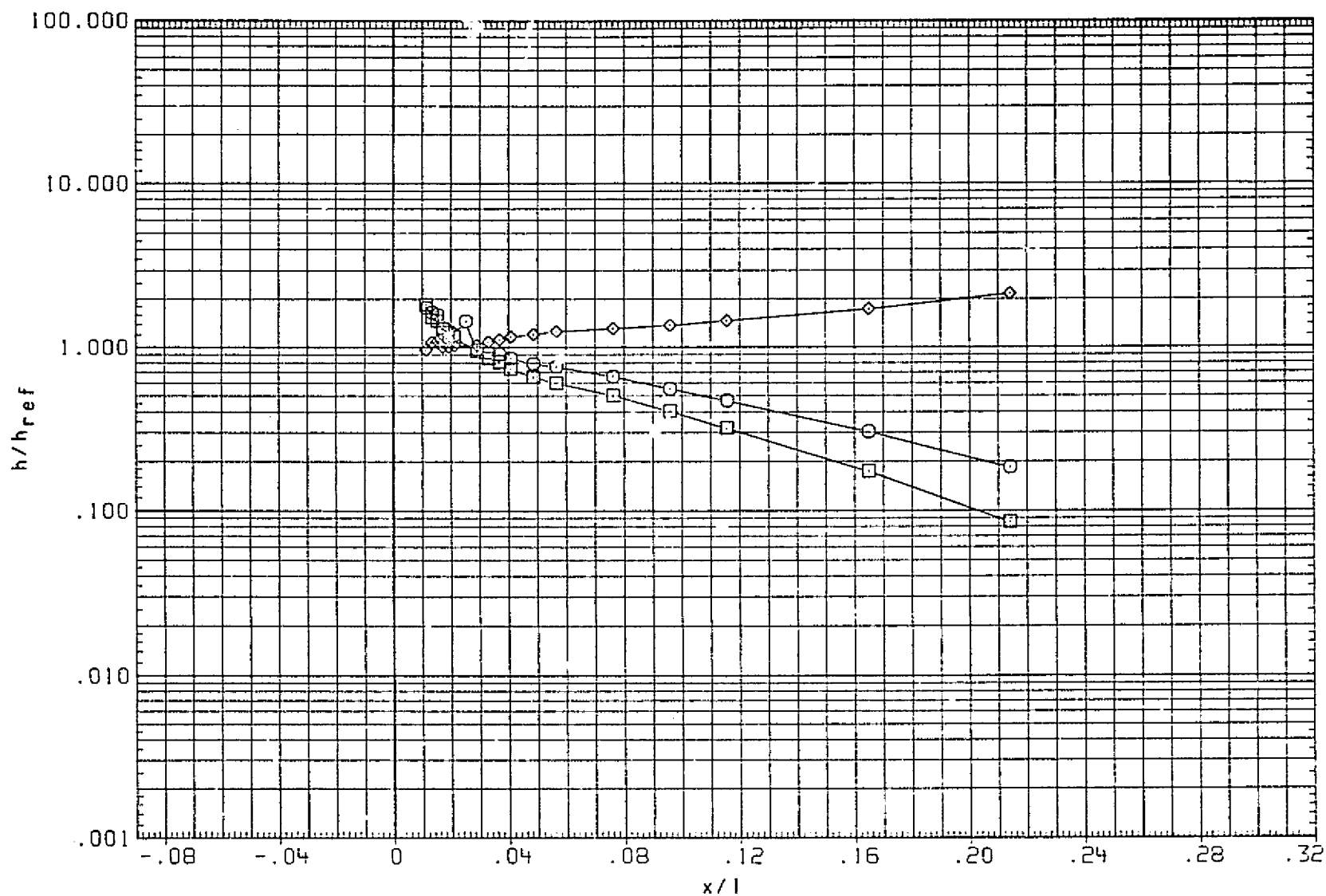


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/H1 = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)		.000	5.000

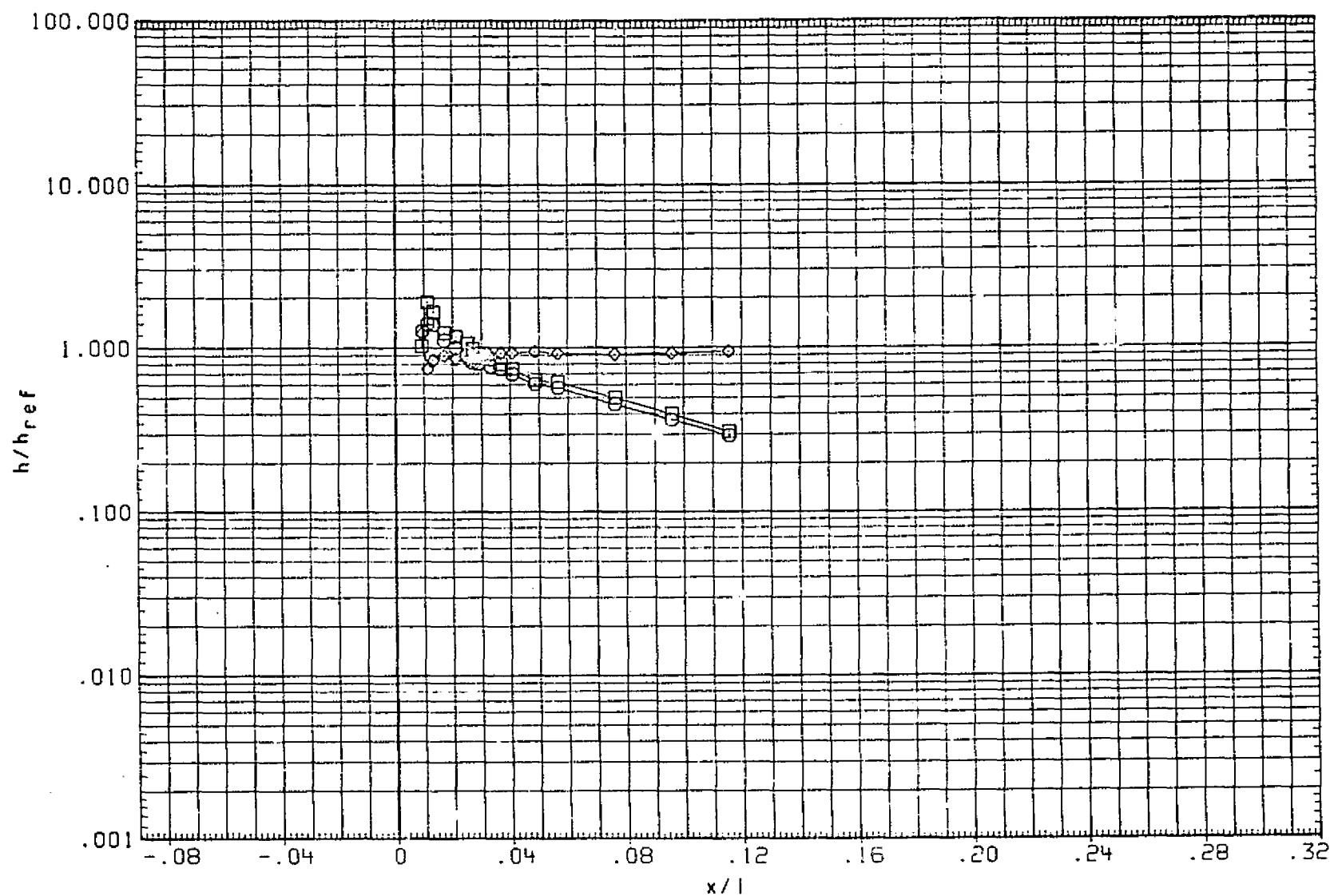


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

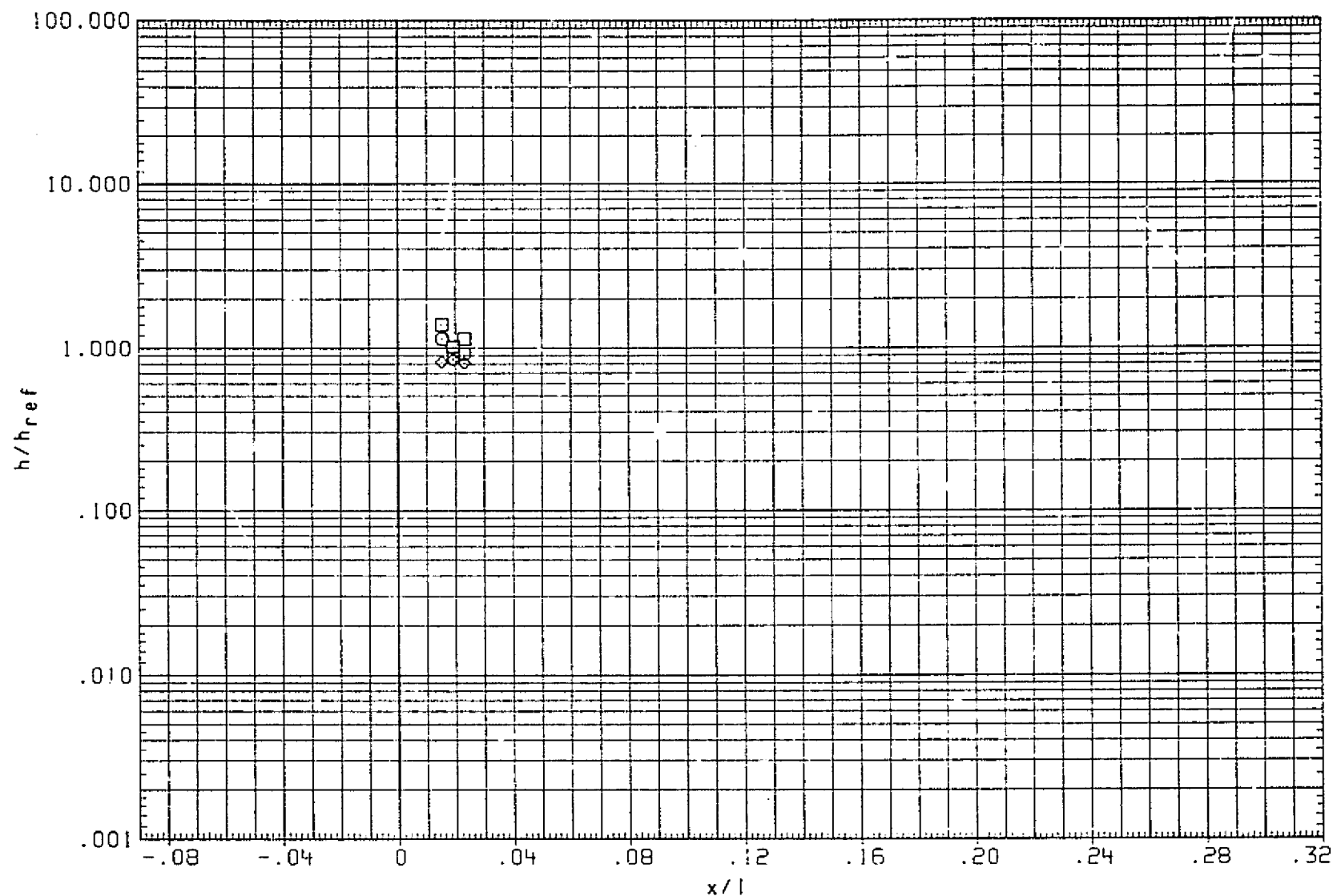


FIG. 15 TANK FOREBODY HI/HU (ALPHA=C ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

PAGE 1165



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

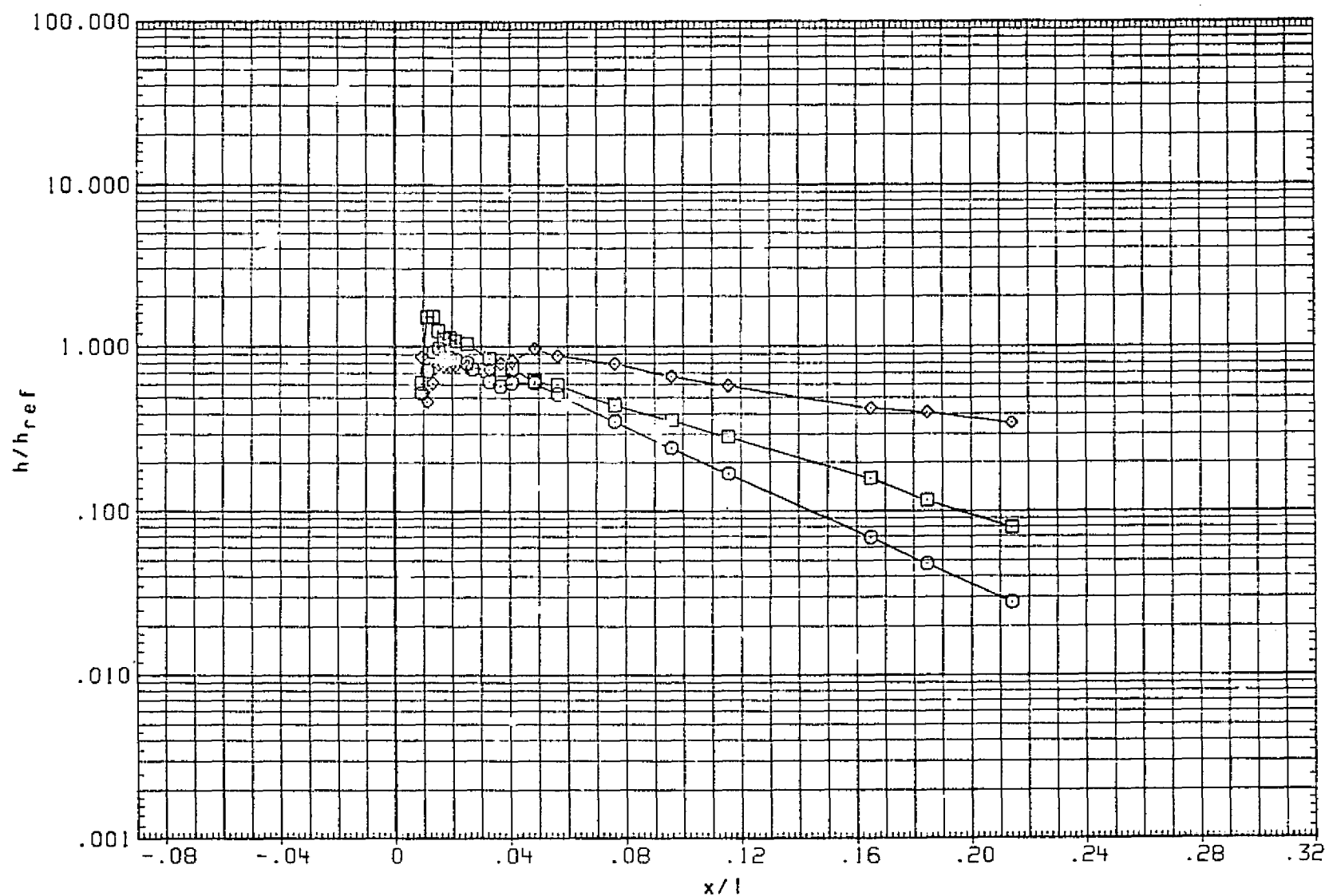


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) M1/HU (RNTT07/RNTT20)	.000	.000	5.000

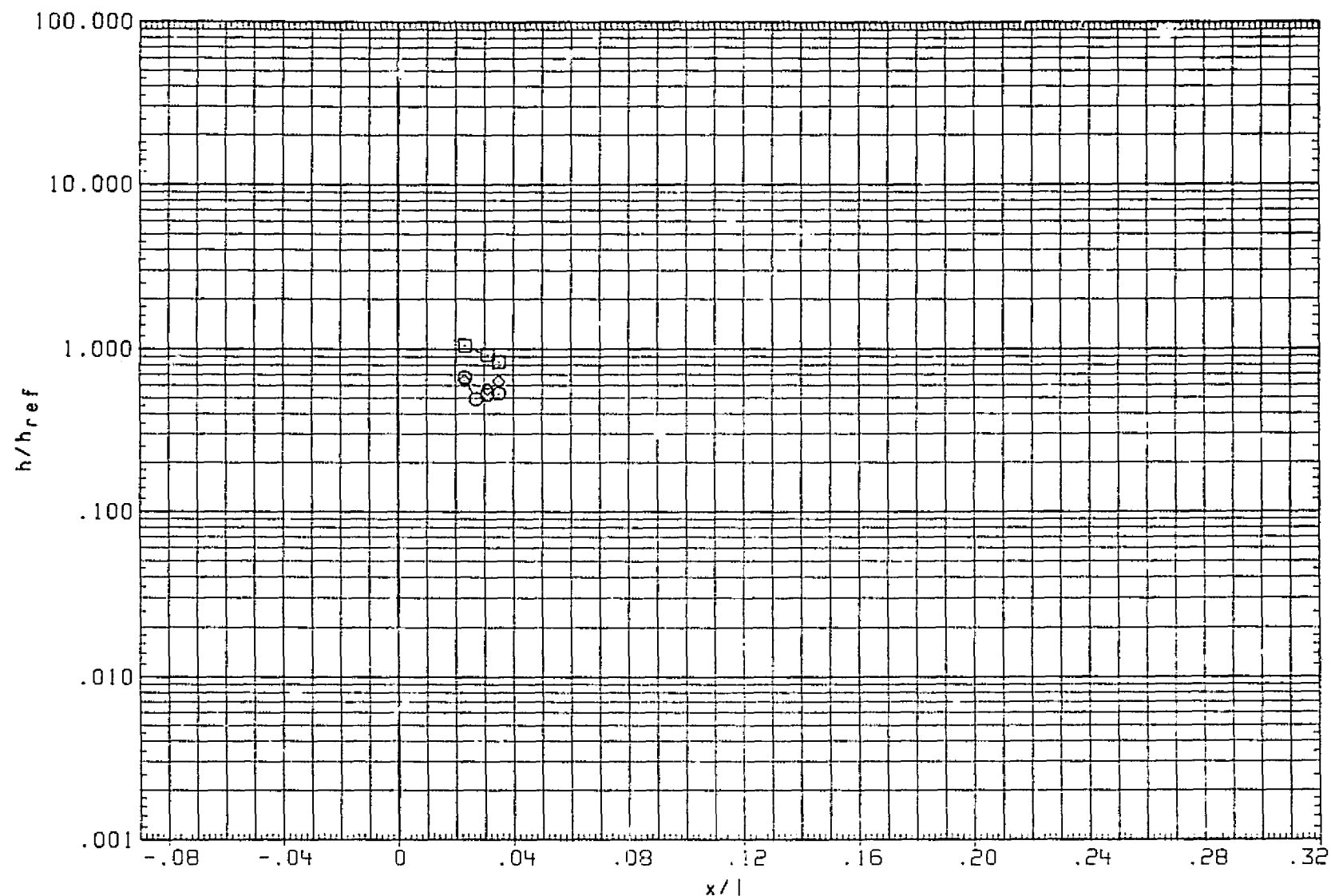


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

PAGE 1157

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

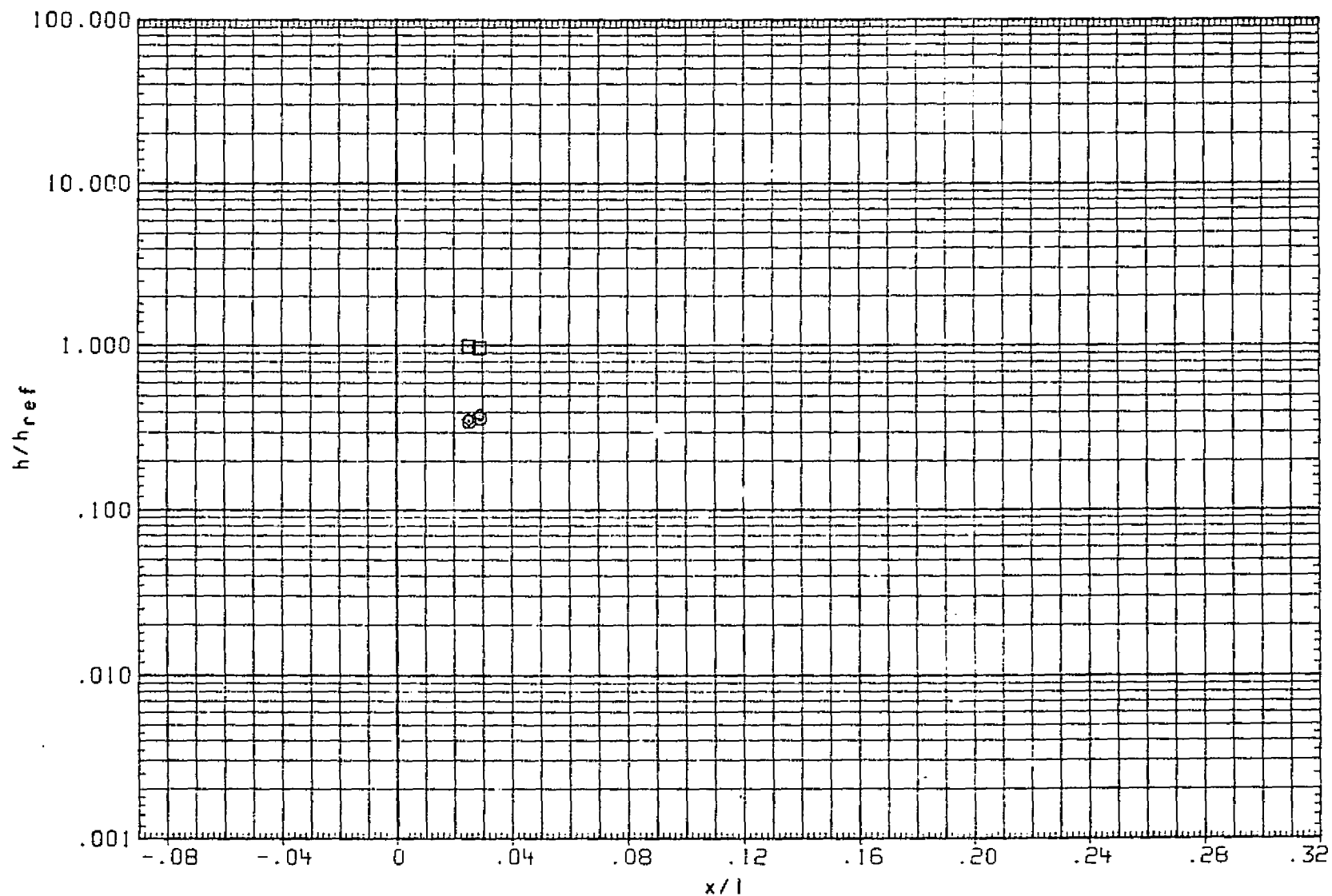


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 BETA = 20.000

PAGE 1168

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-2.5(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-2.15(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-2.15(FH14) H1/HU (RNTT07/RNTT20)		.000	5.000

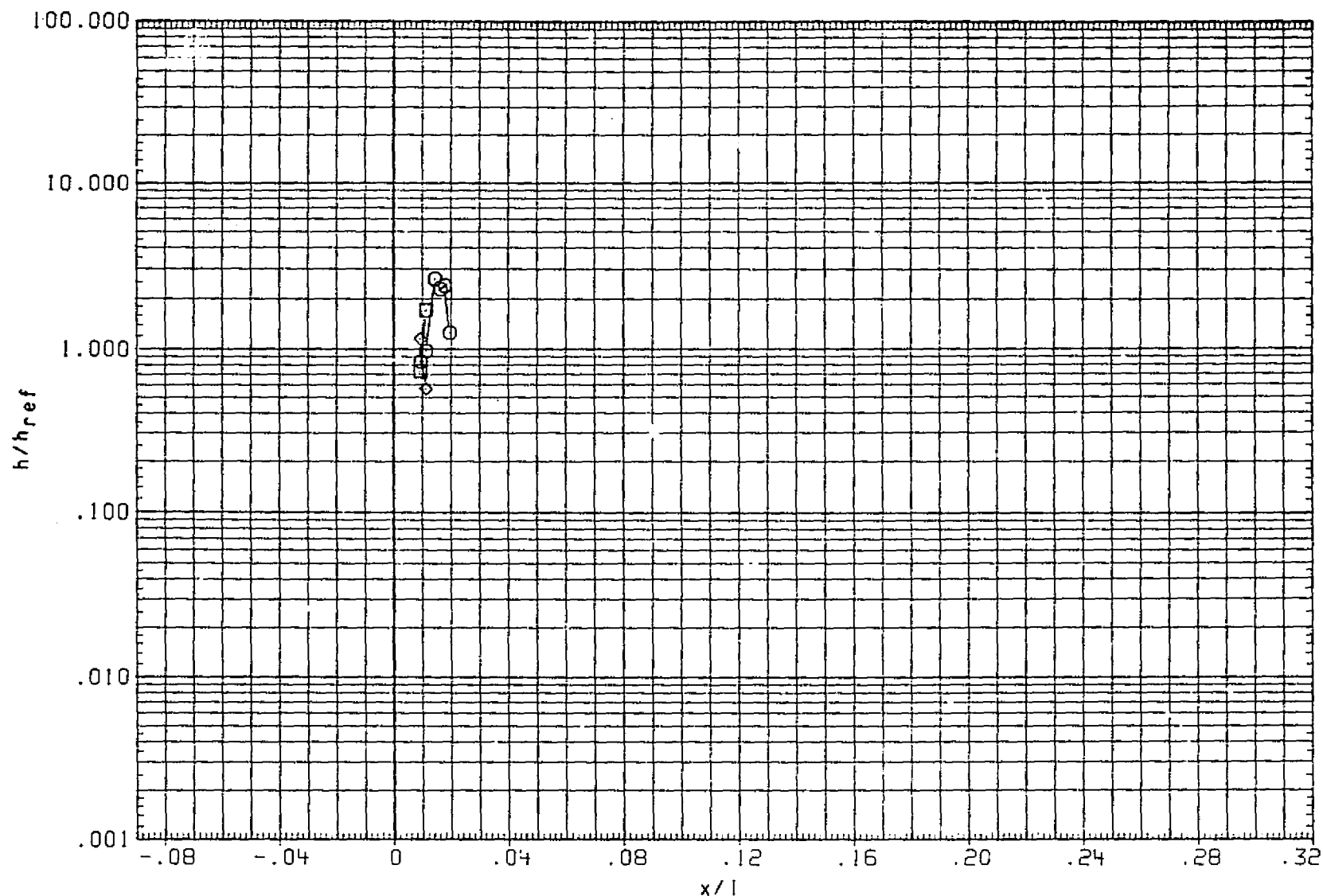


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

PAGE 1169

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	CN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

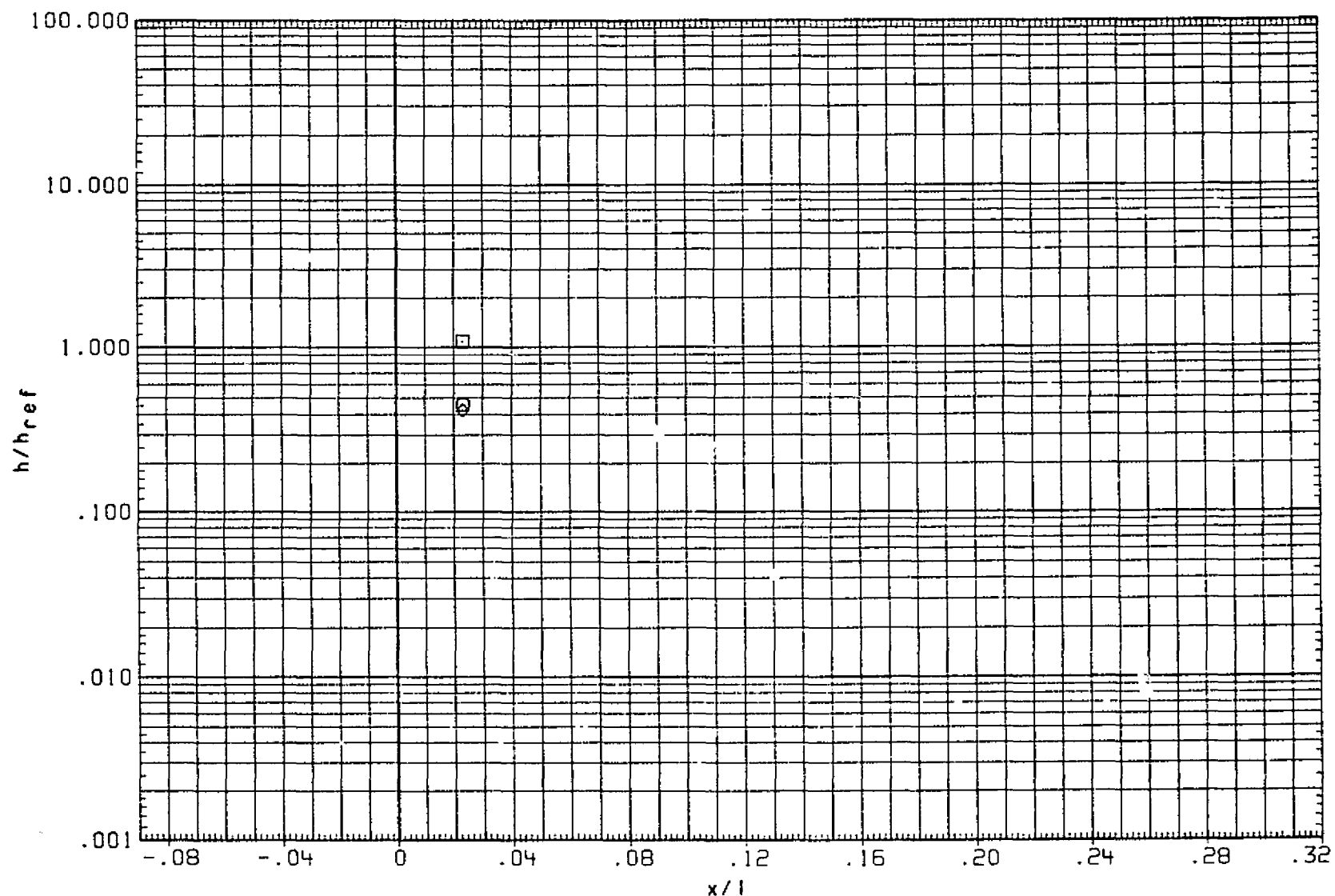


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)	.000	.000	5.000

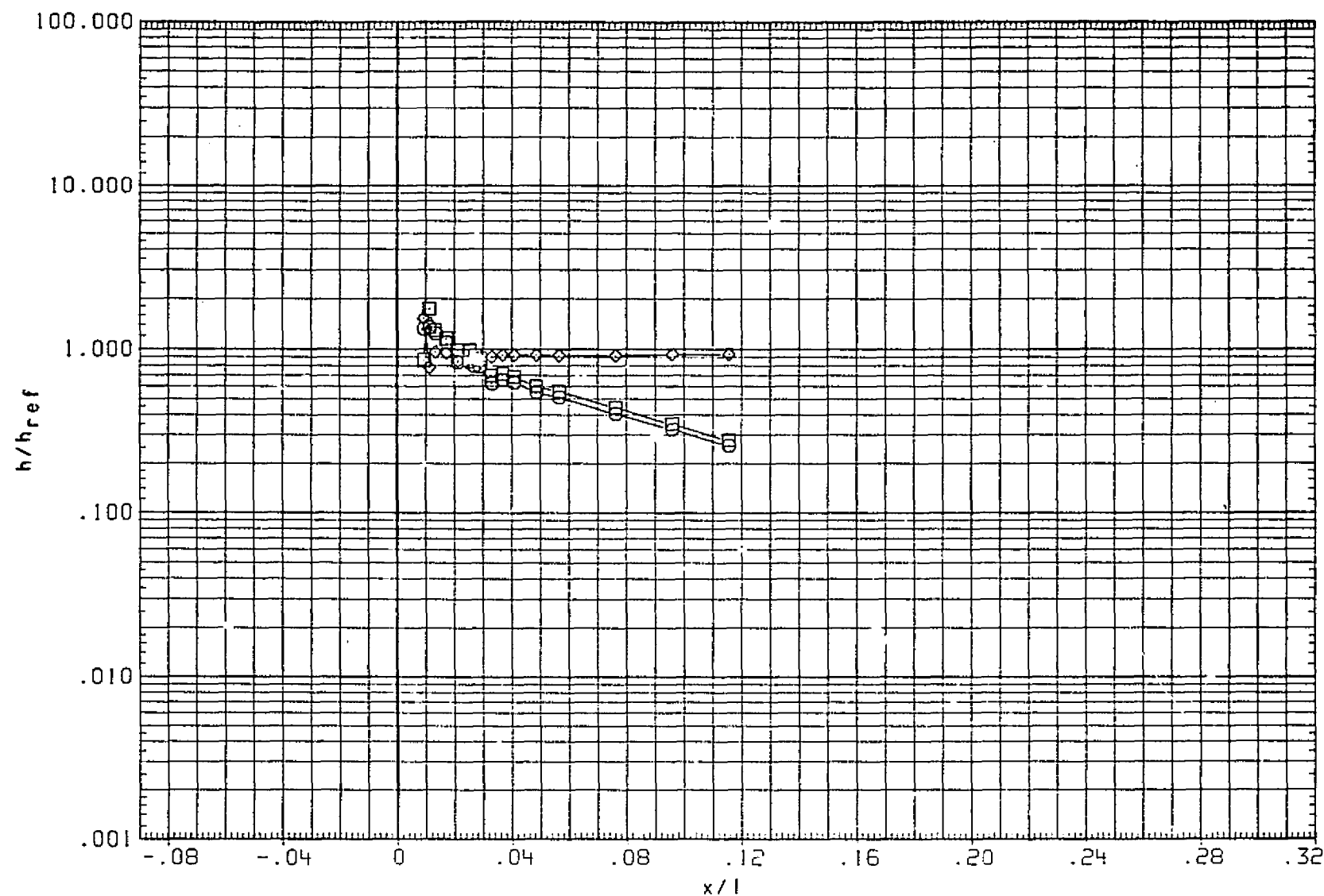


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

PAGE 1171

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

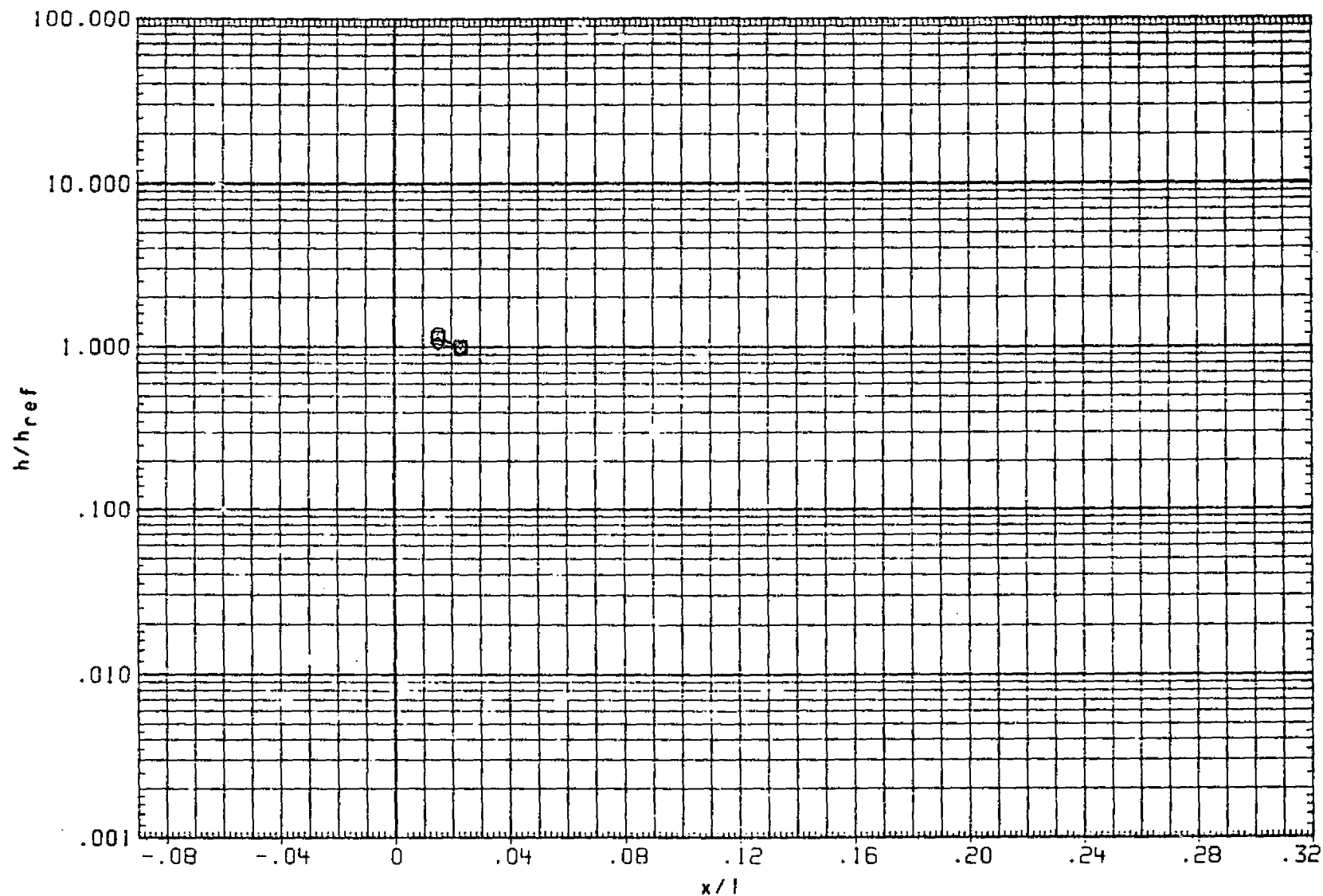


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1172

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT071	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
RNTT201	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
RNTT071	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

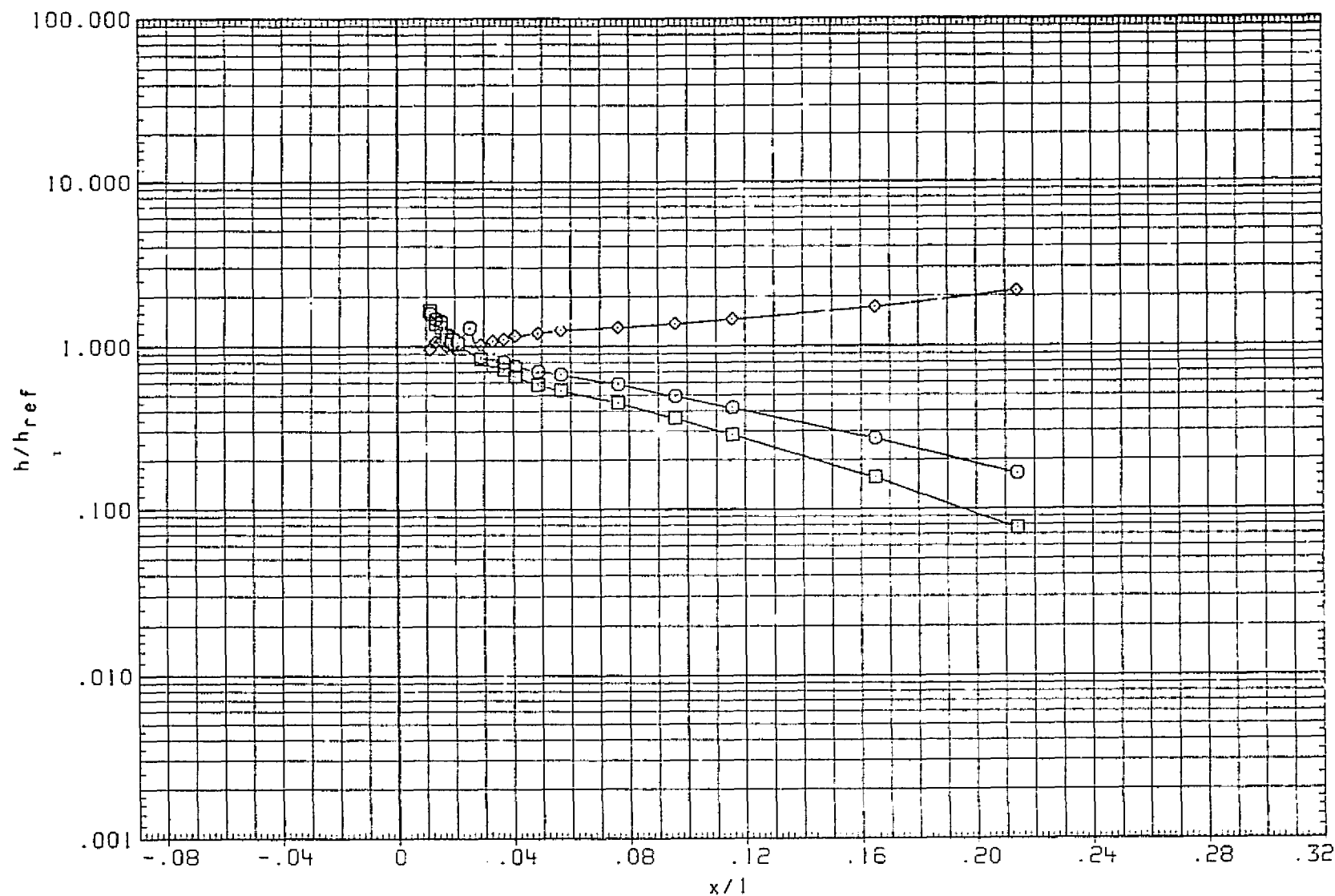


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNT107)	○	ARC3.5-215(FH)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNT120)	□	ARC3.5-215(FH)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNT107)	◇	ARC3.5-215(FH)10/40 HI/HU (RNT107/RNT120)	.000	.000	5.000

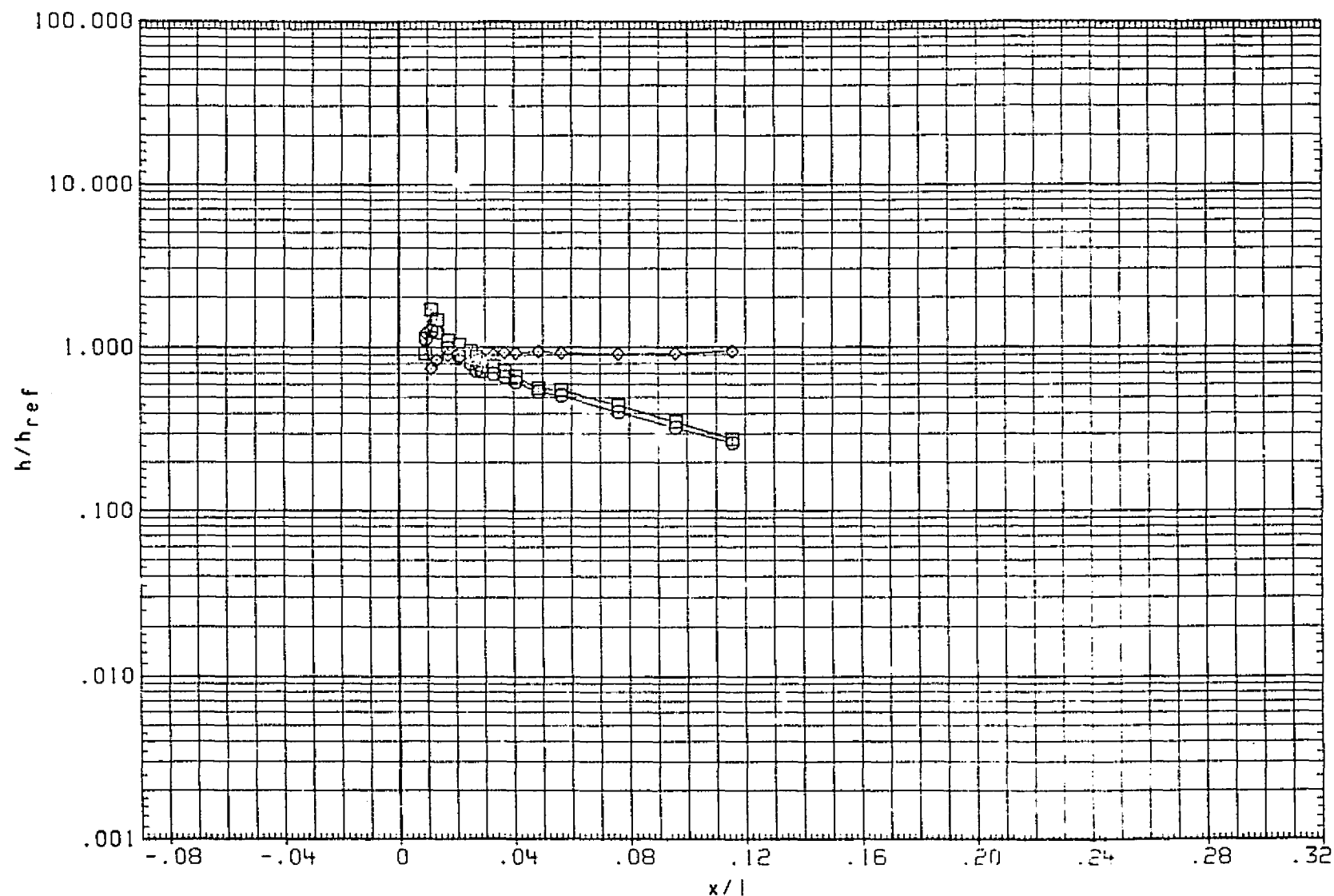


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1174

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)	.000	.000	5.000

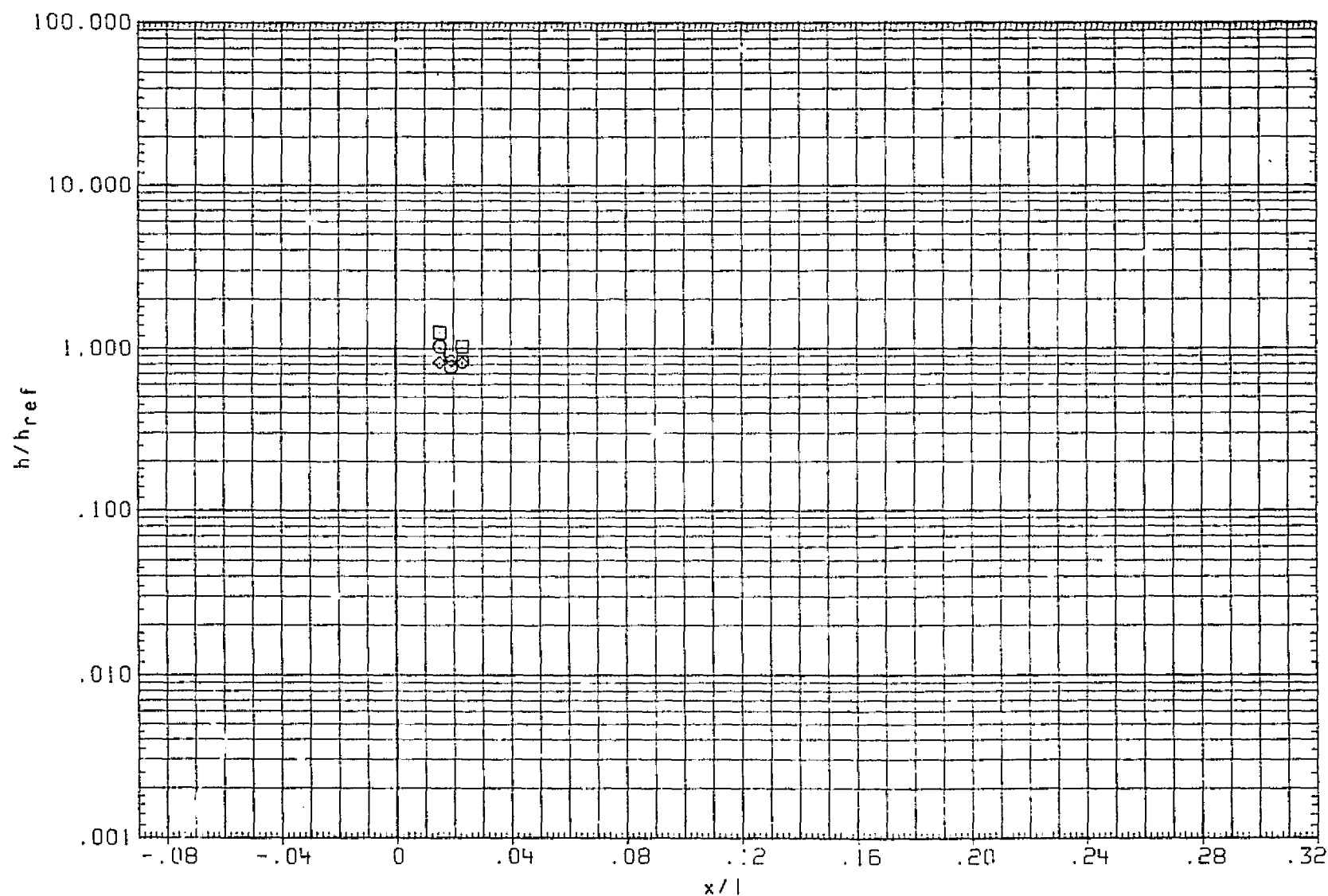


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

PAGE 1175

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

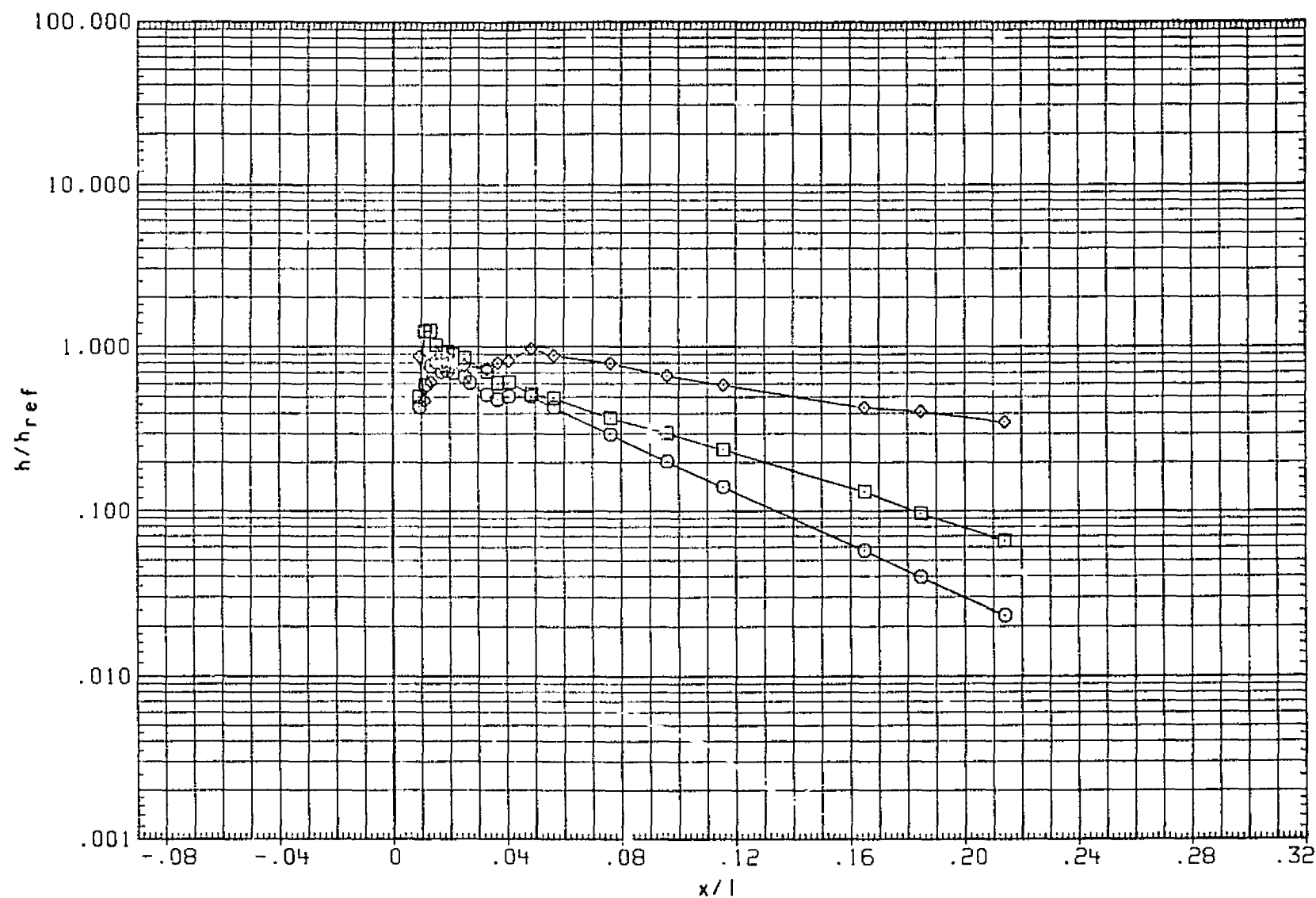


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

PAGE 1176

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

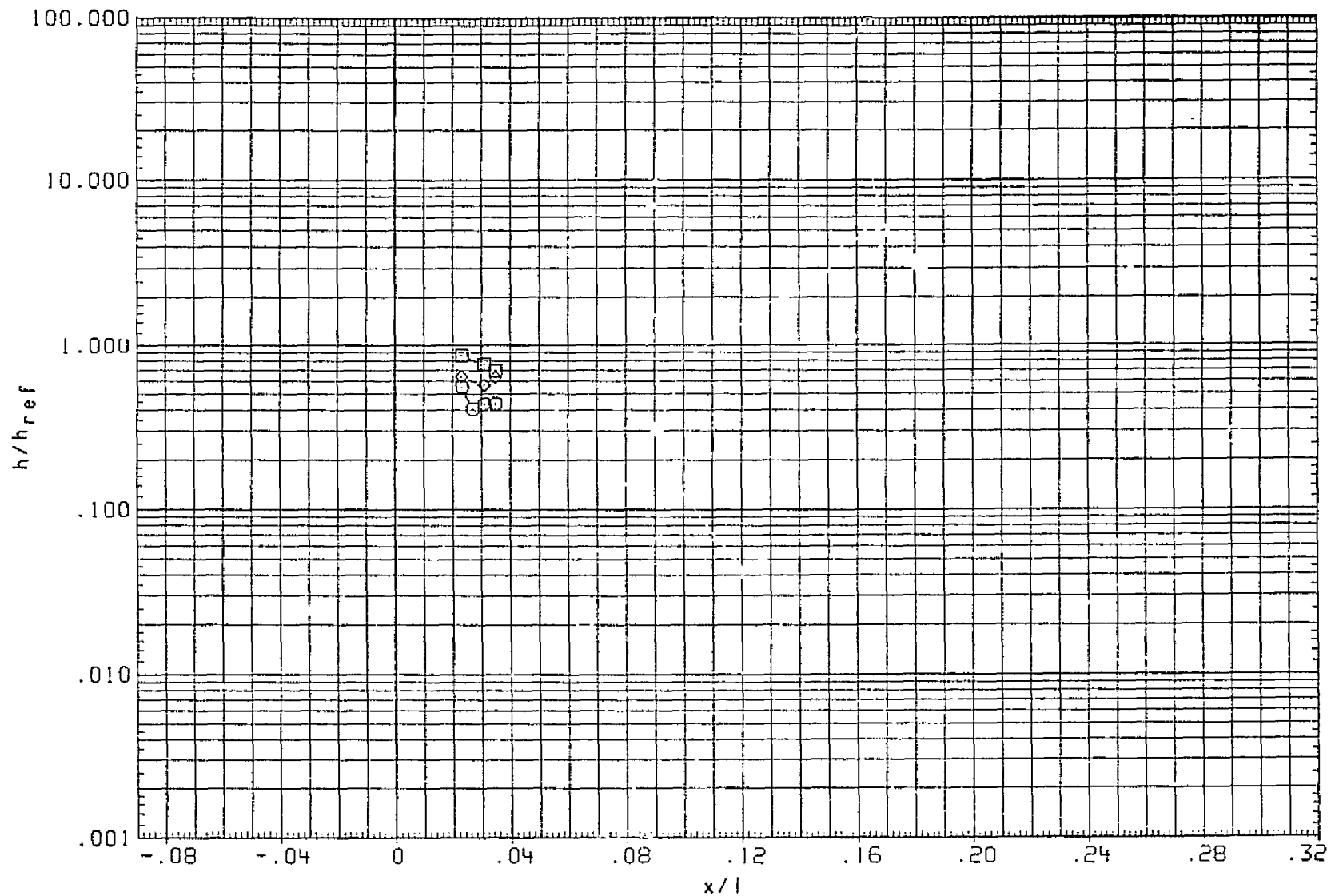


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	R/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

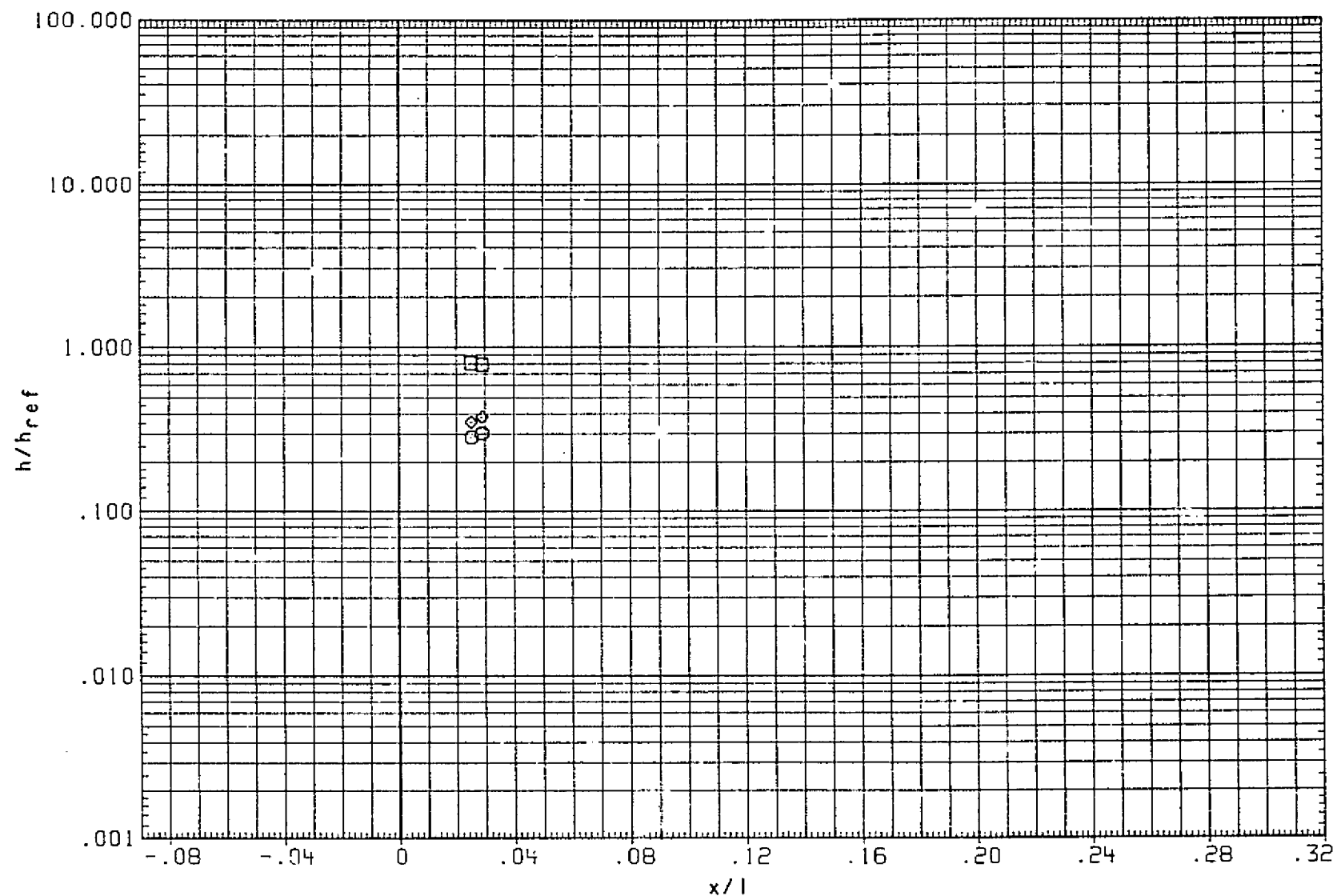


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)	.000	.000	5.000

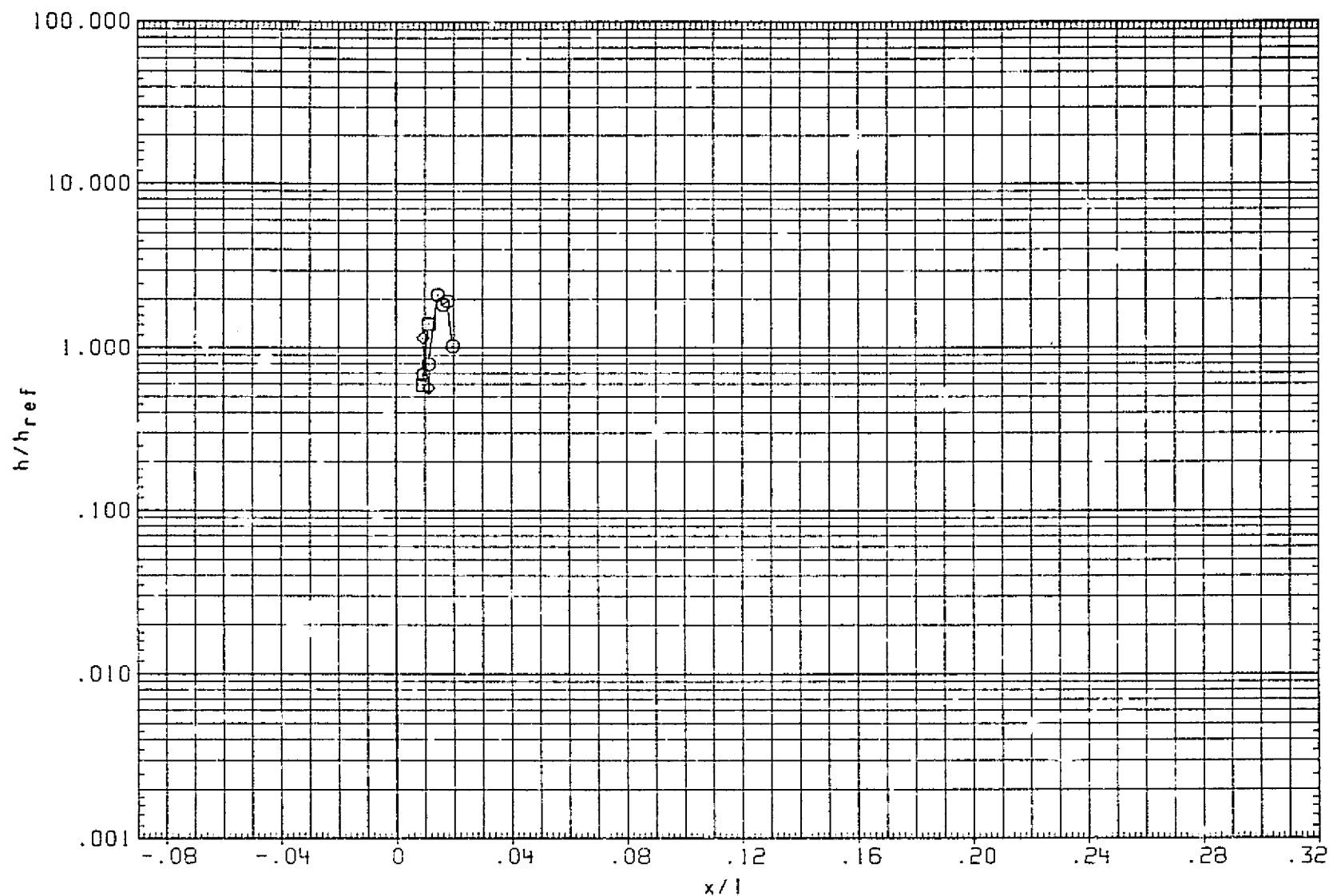


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1179

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

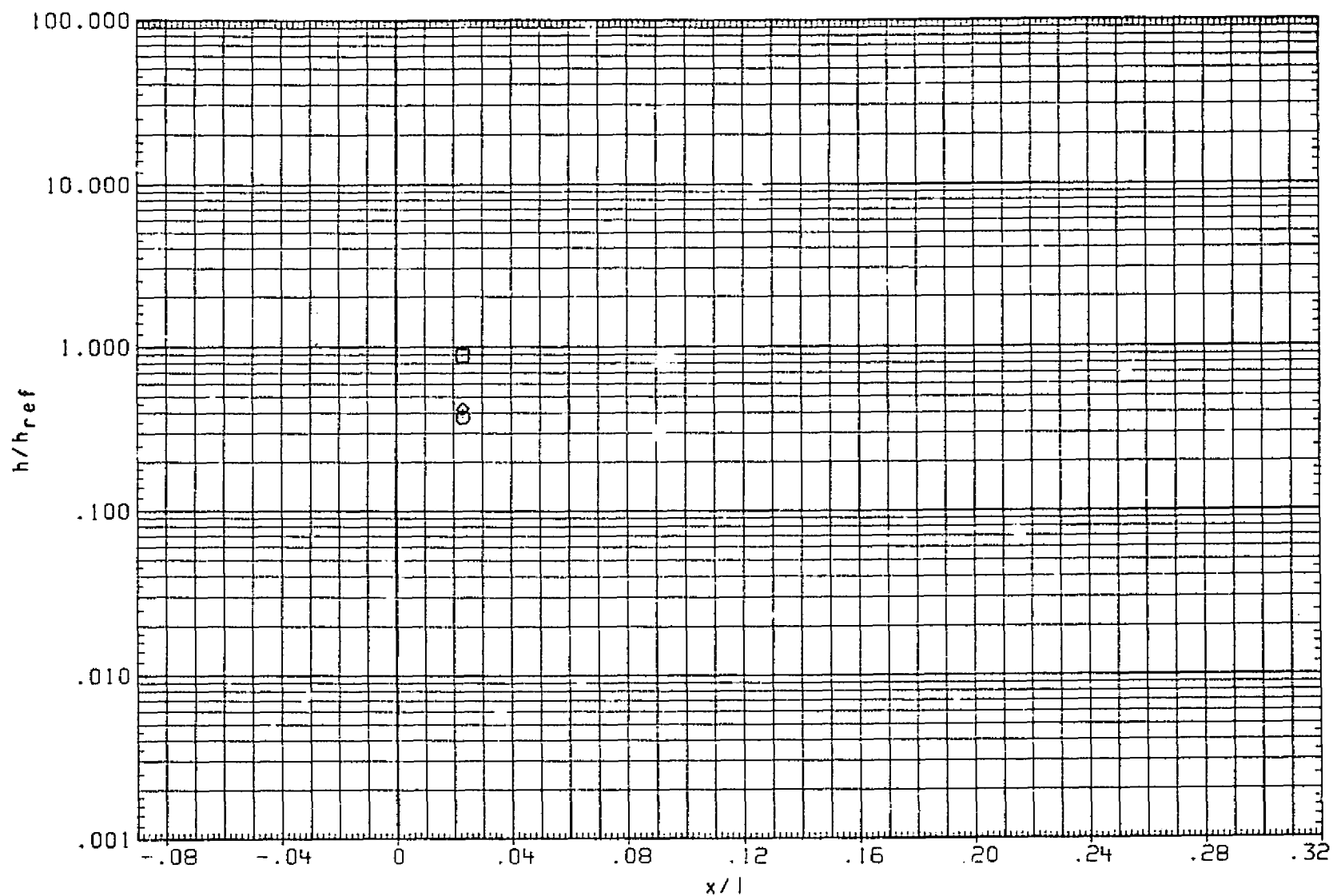


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1180

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLFAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)	.000	.000	5.000

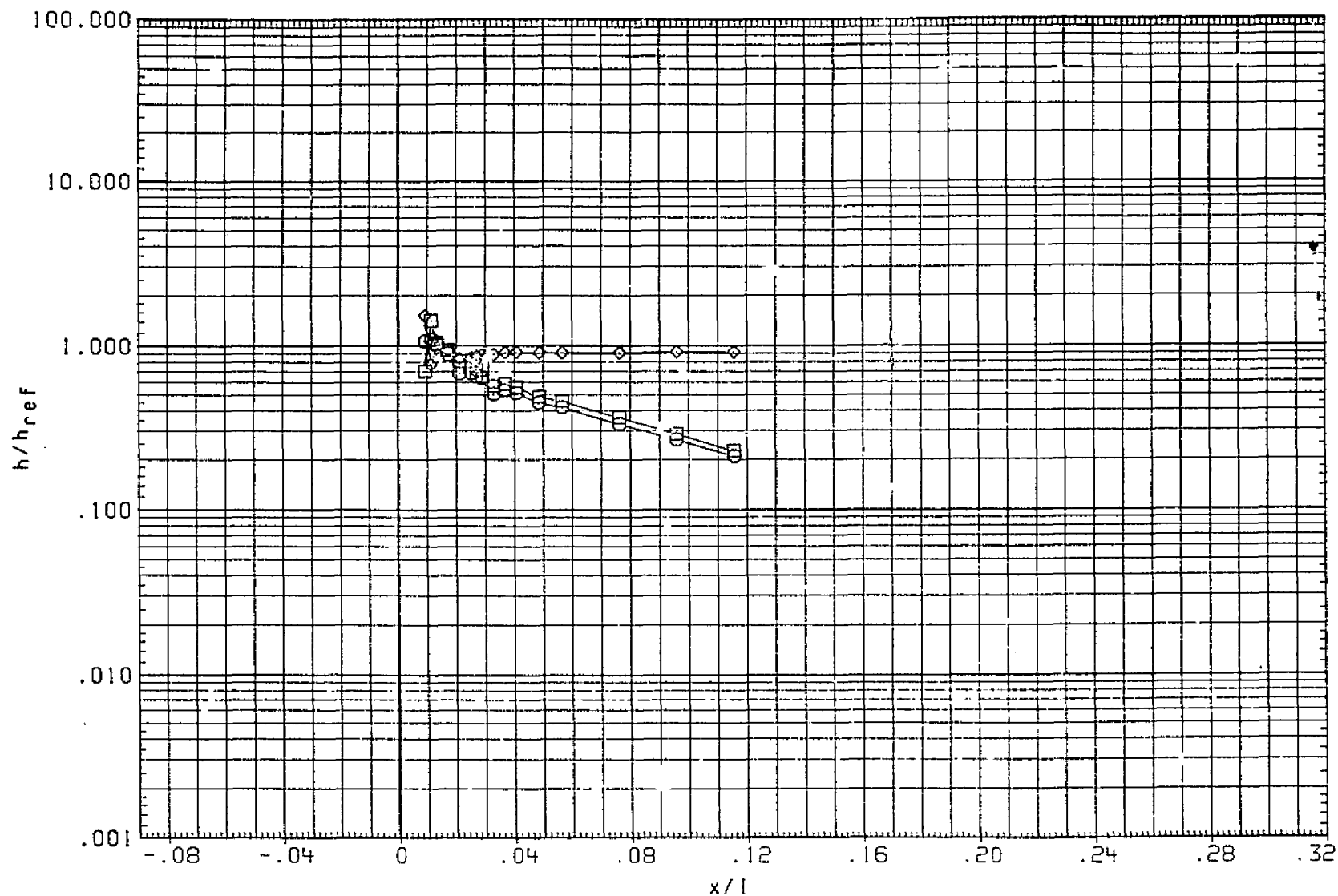


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)		.000	5.000

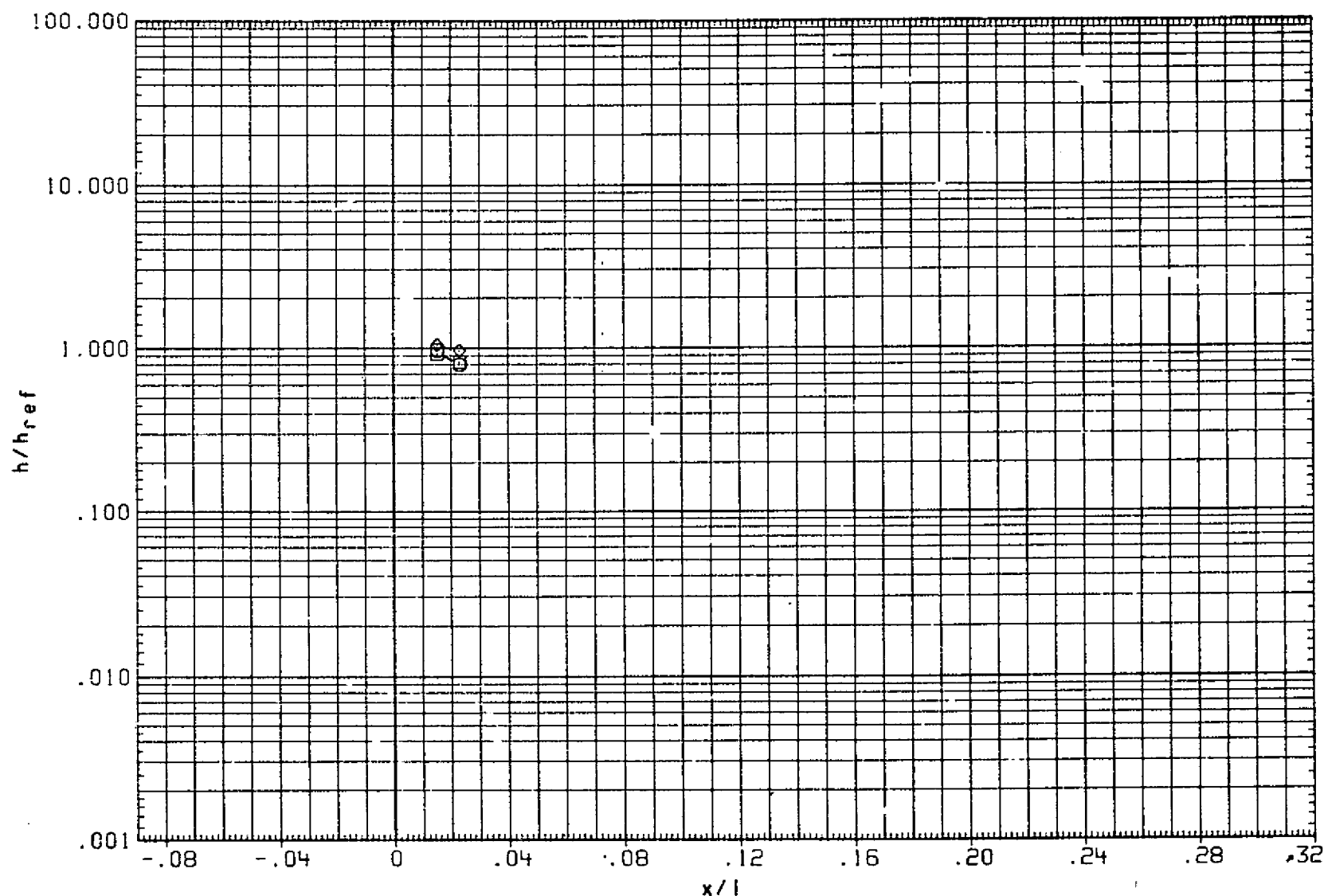


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

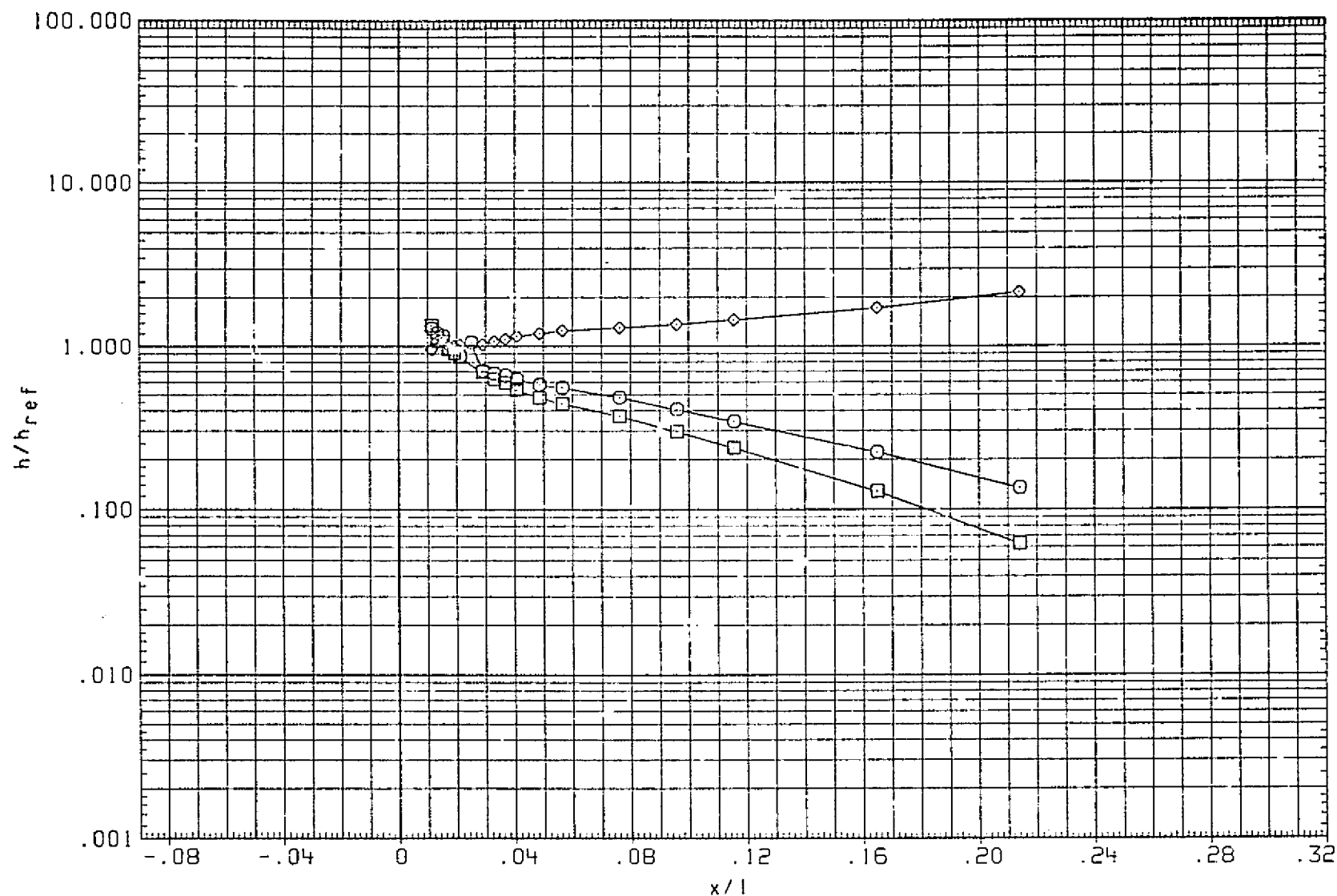


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) H1/HU (RNTT07/RNTT20)		.000	5.000

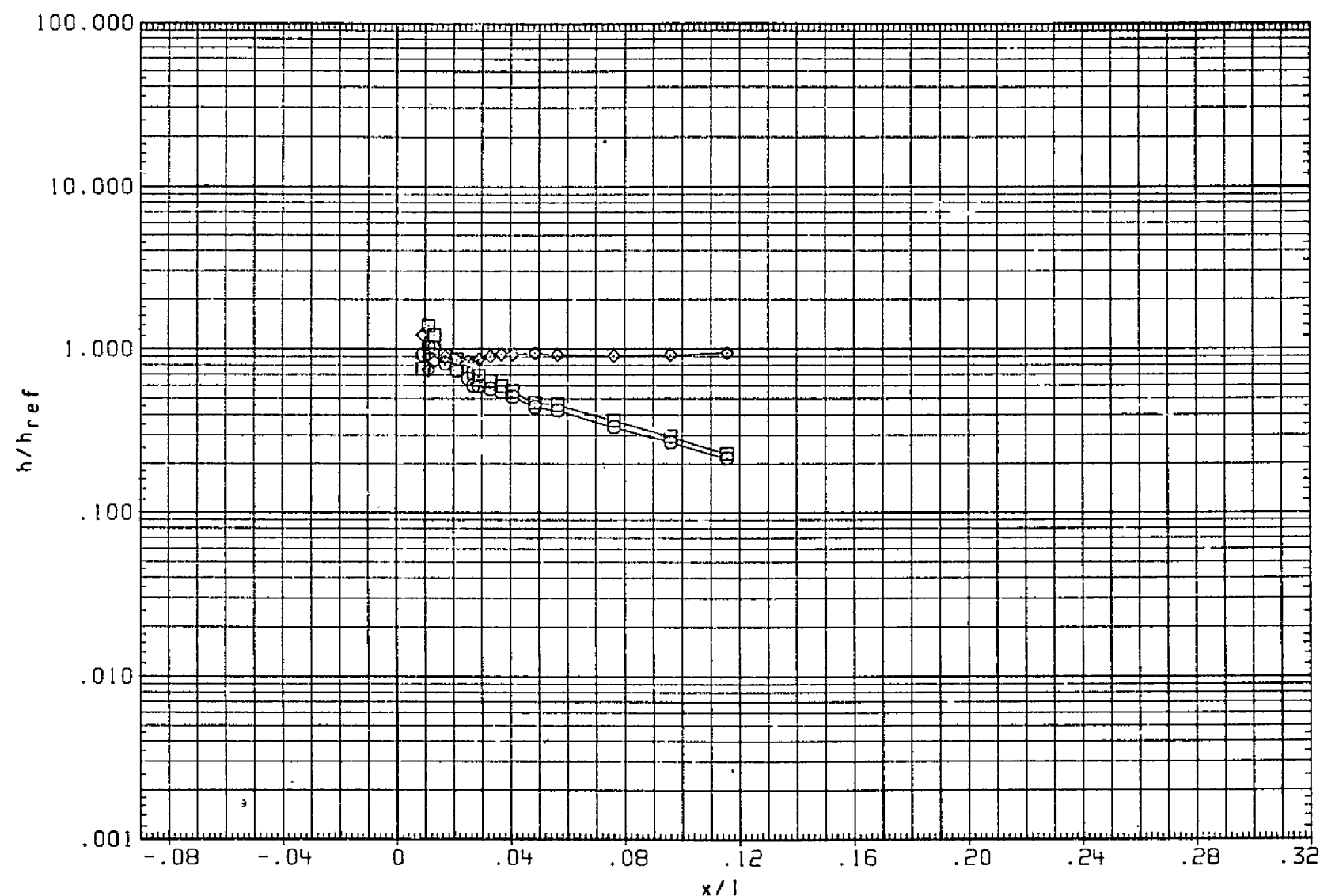


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1184

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT07)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT07)	◇	ARC3.5-215(FH14) HI/HU (RNTT07/RNTT20)	.000	.000	5.000

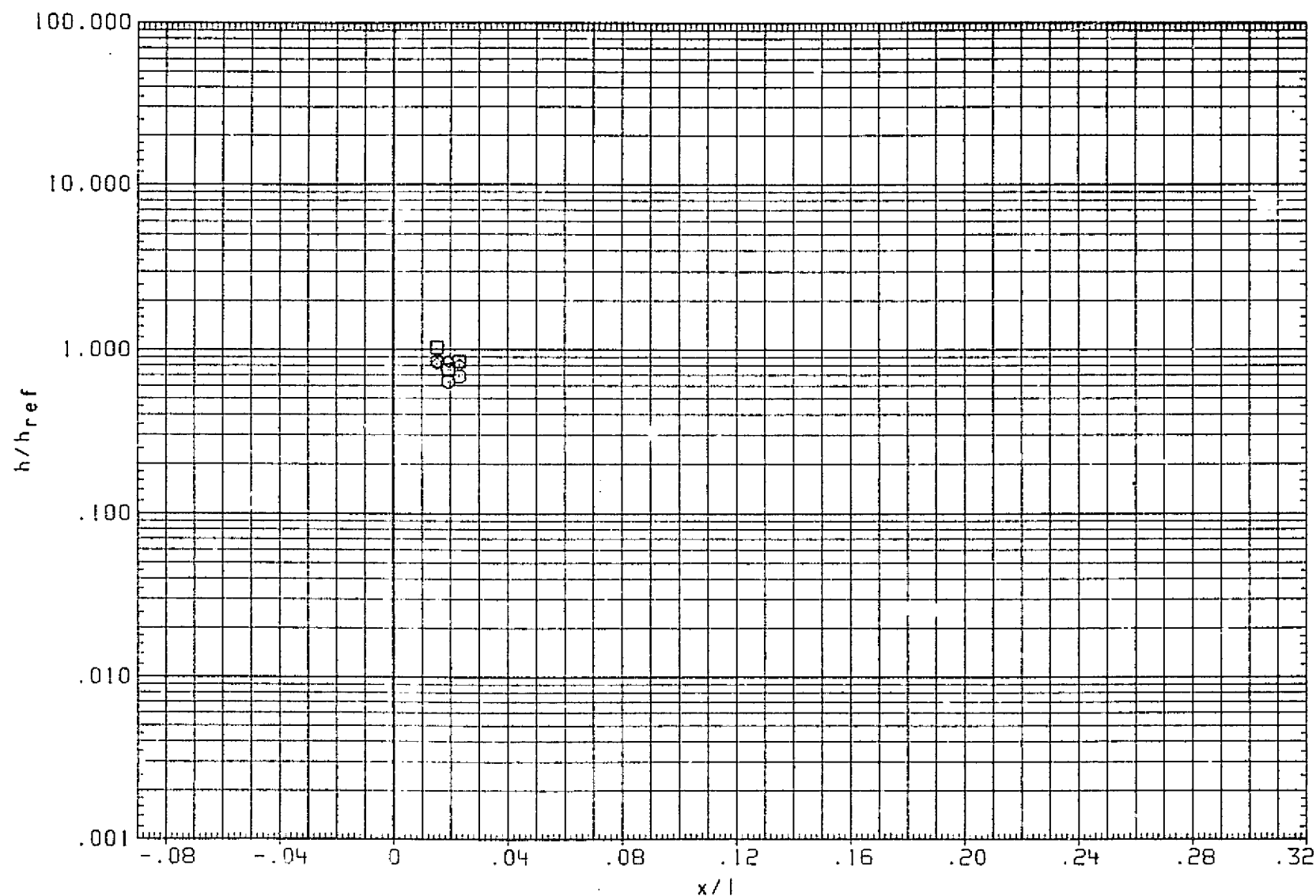


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

PAGE 1185

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

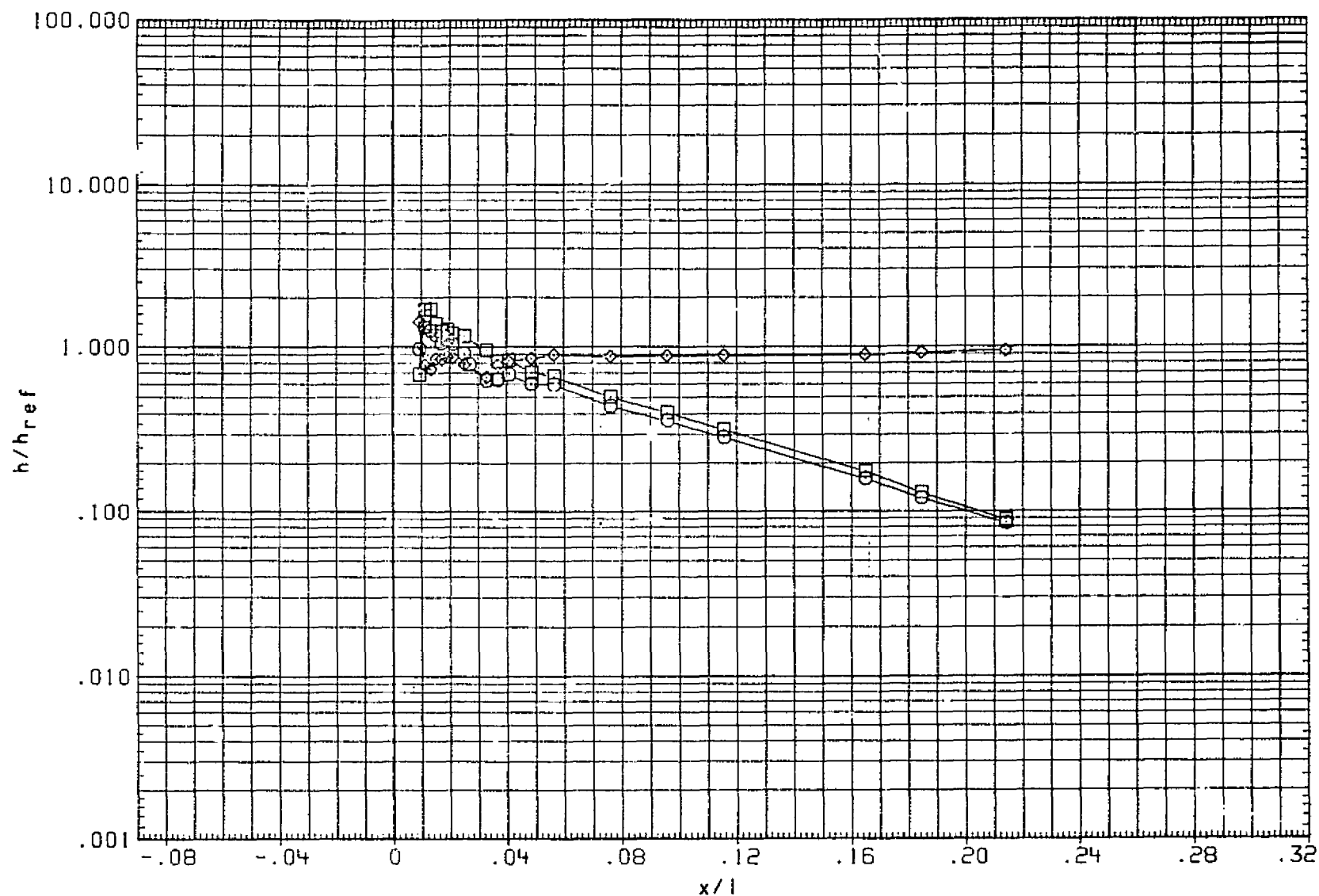


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

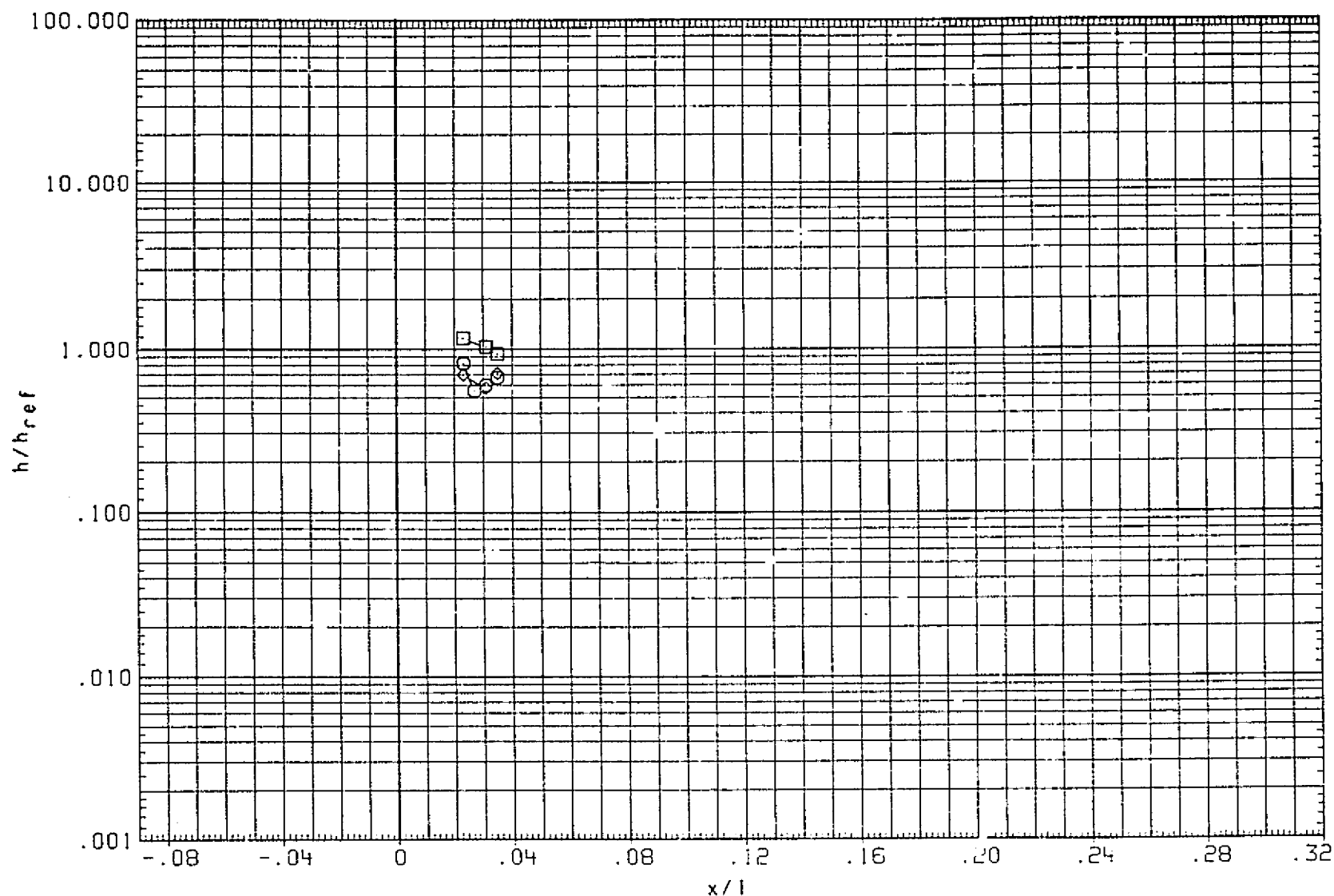


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

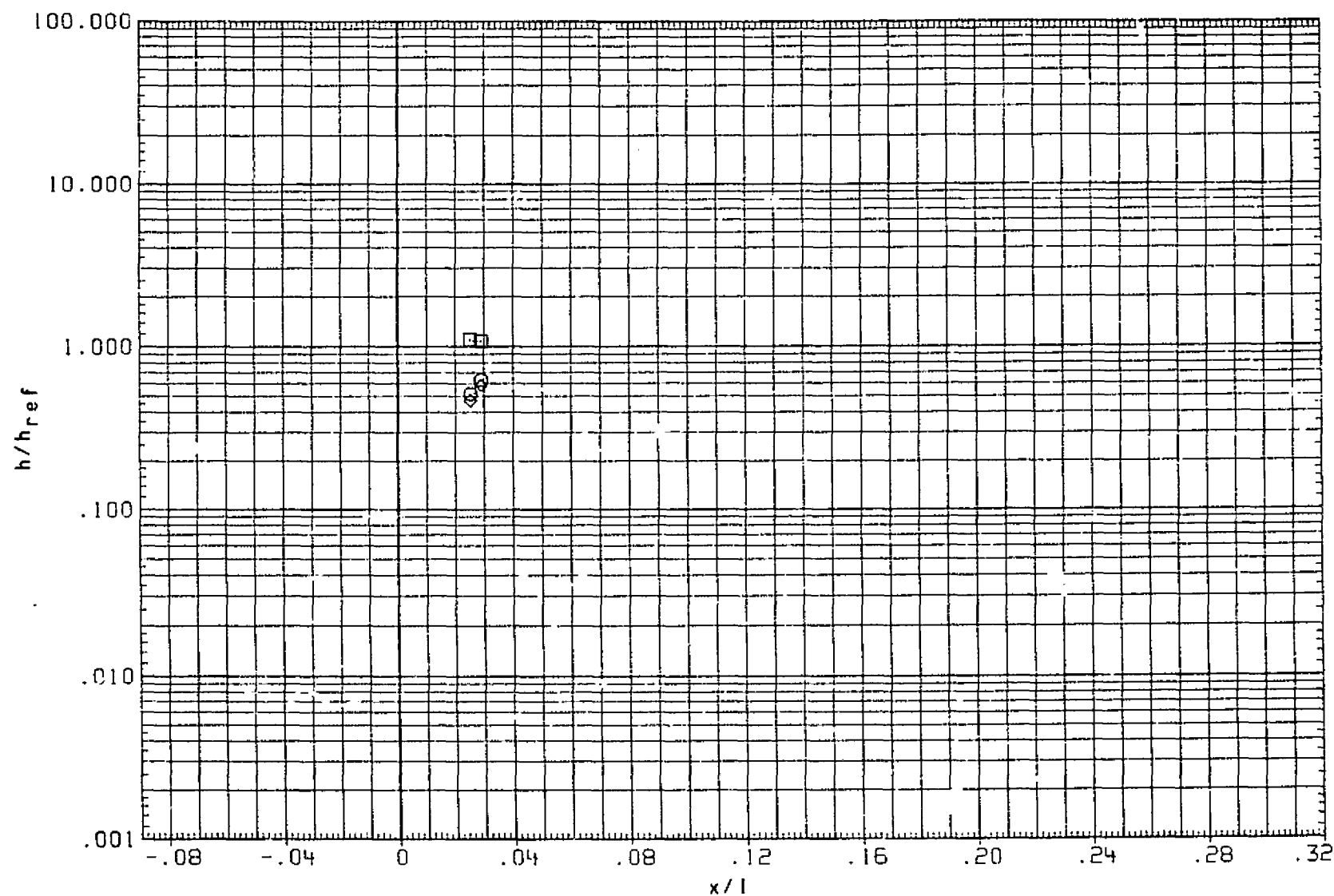


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .857 THETA = 20.000

PAGE 1188

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

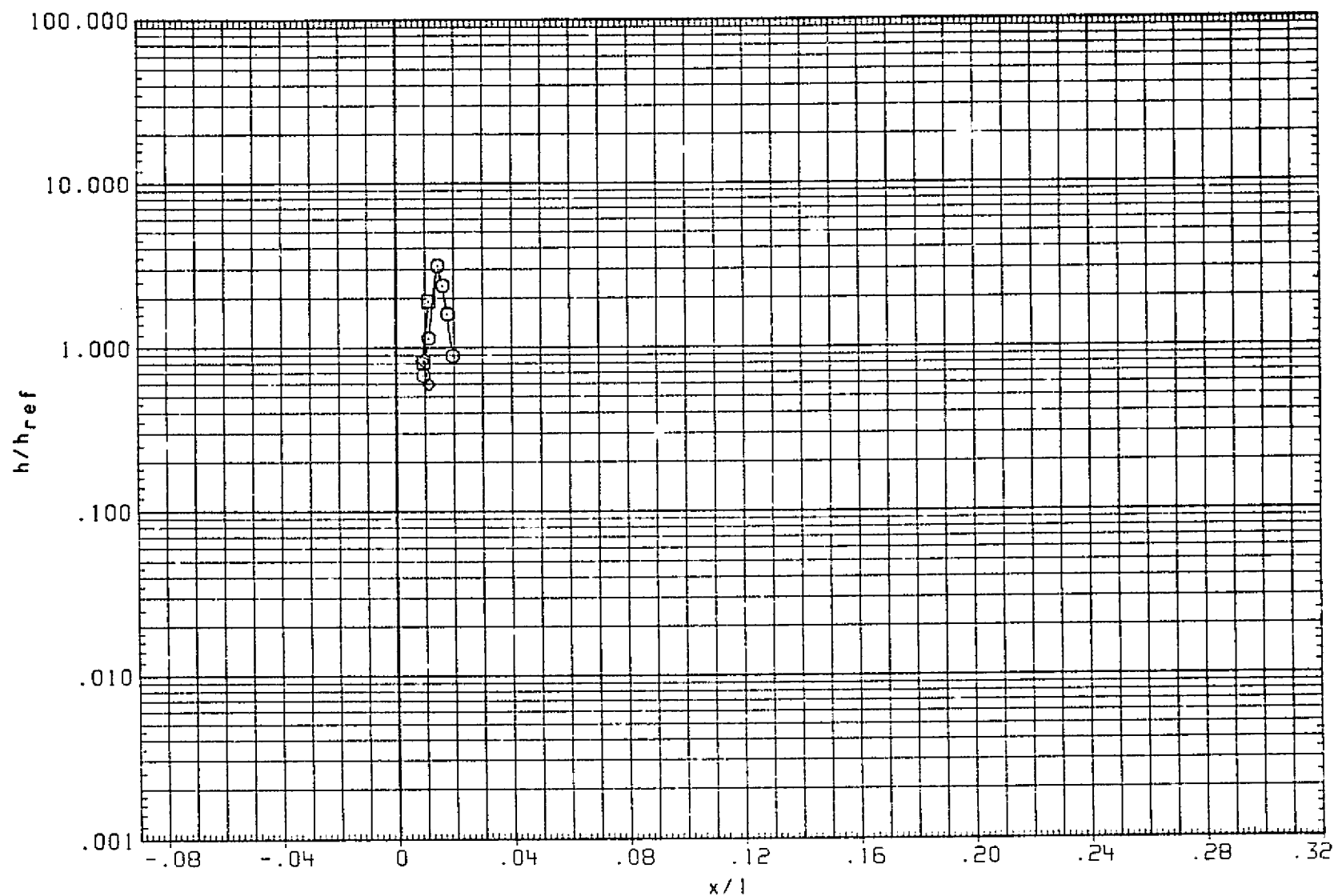


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE•PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

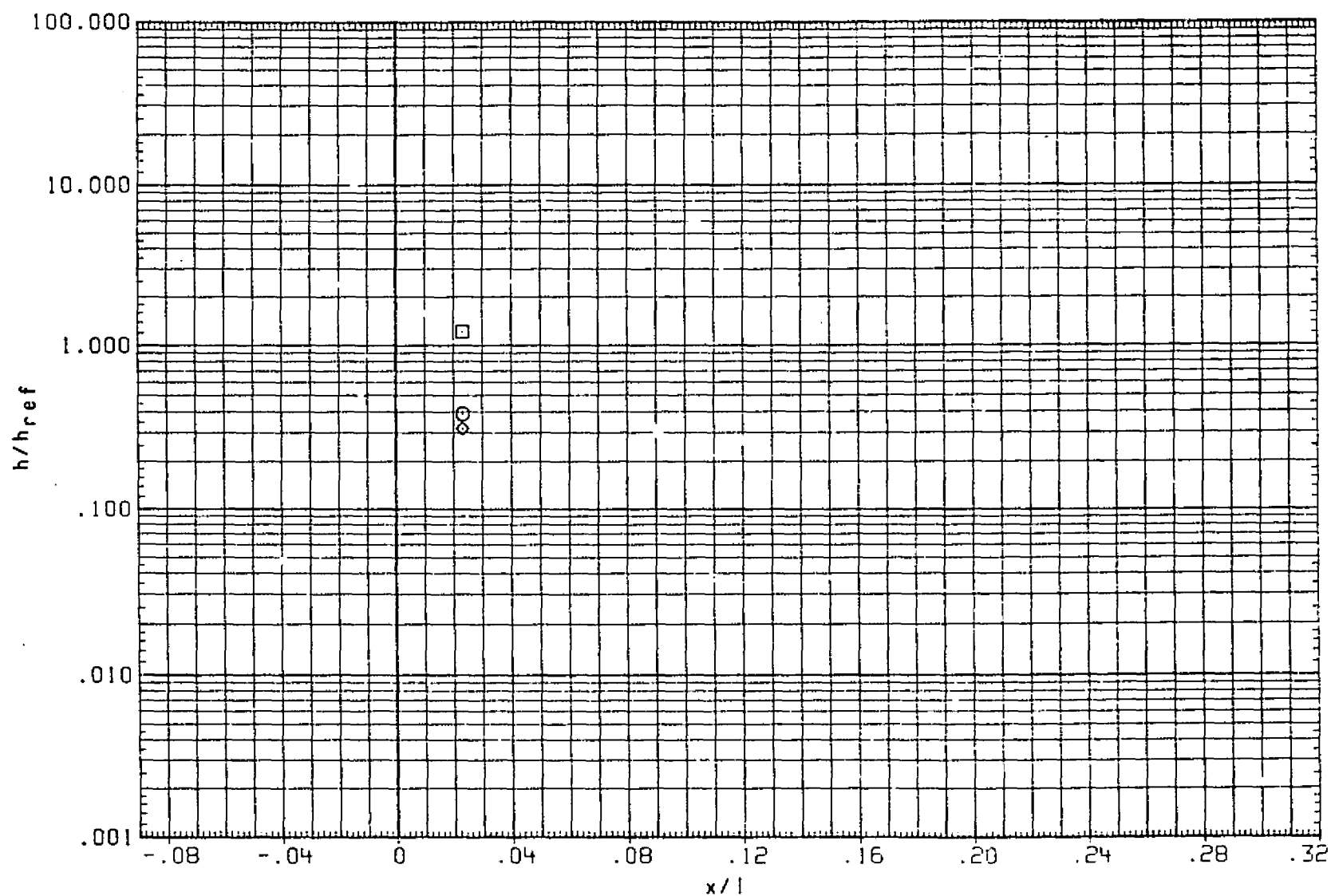


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1190

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000	.000	5.000

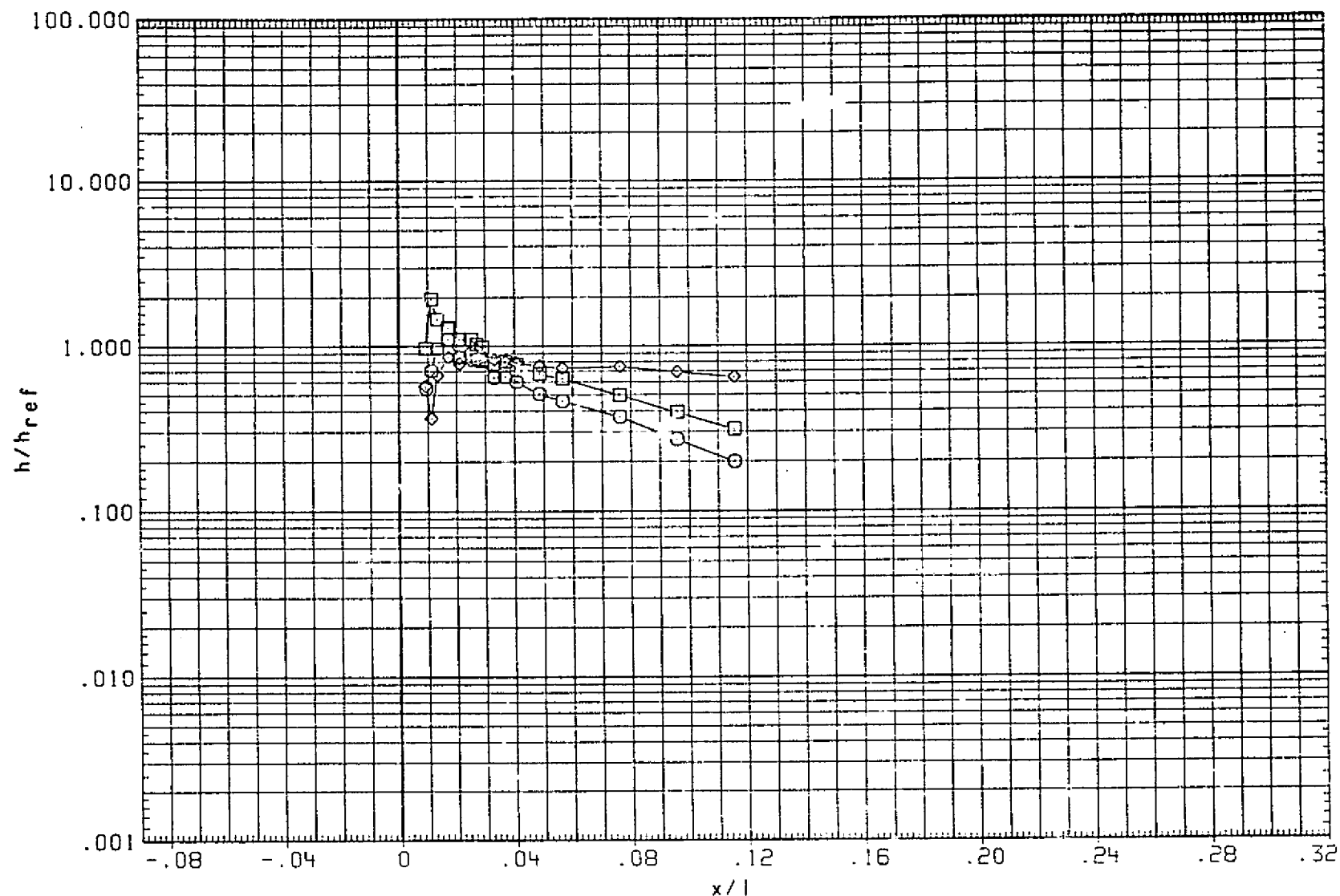


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 00.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

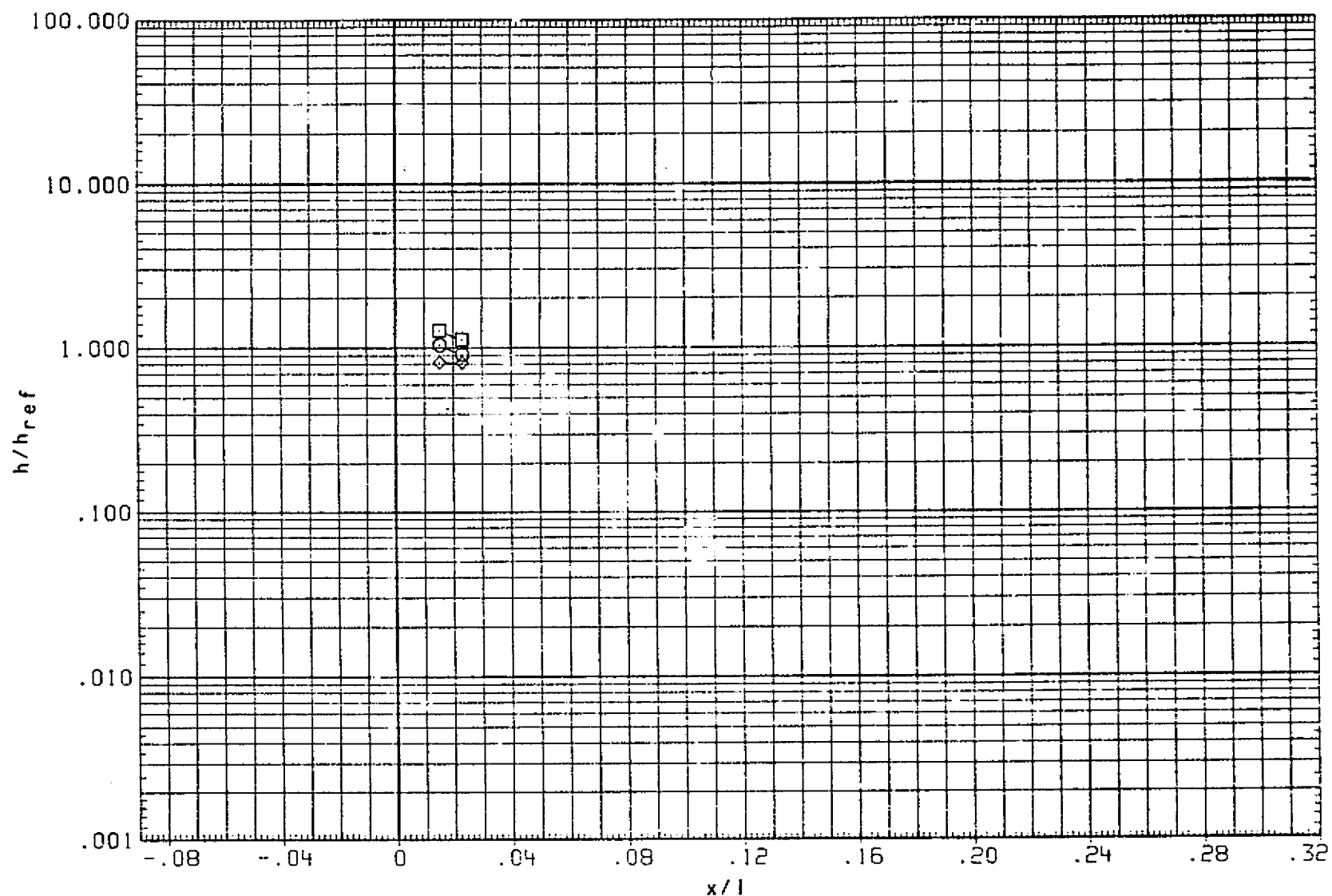


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA BETA RN/L

(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.070	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

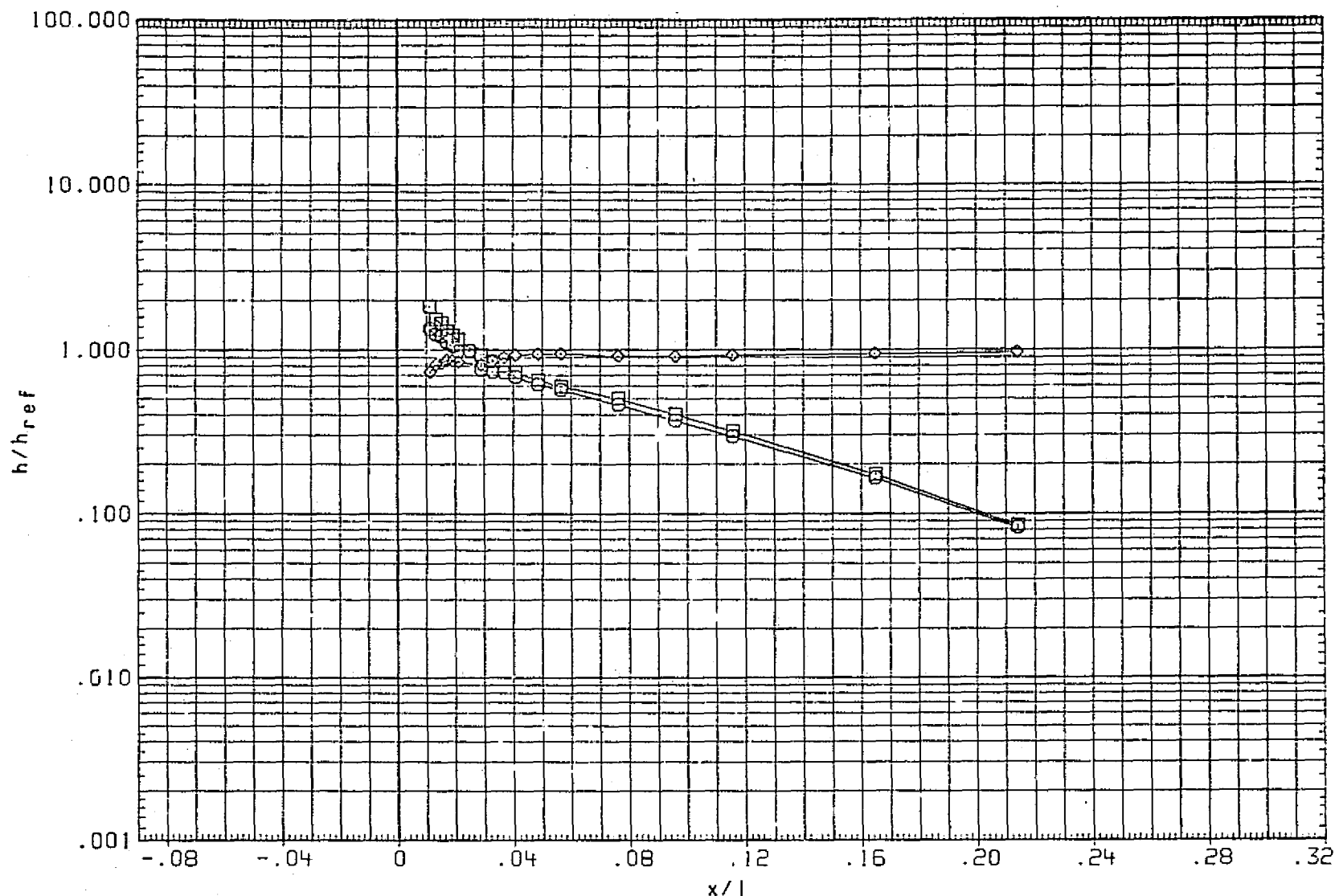


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000	.000	5.000

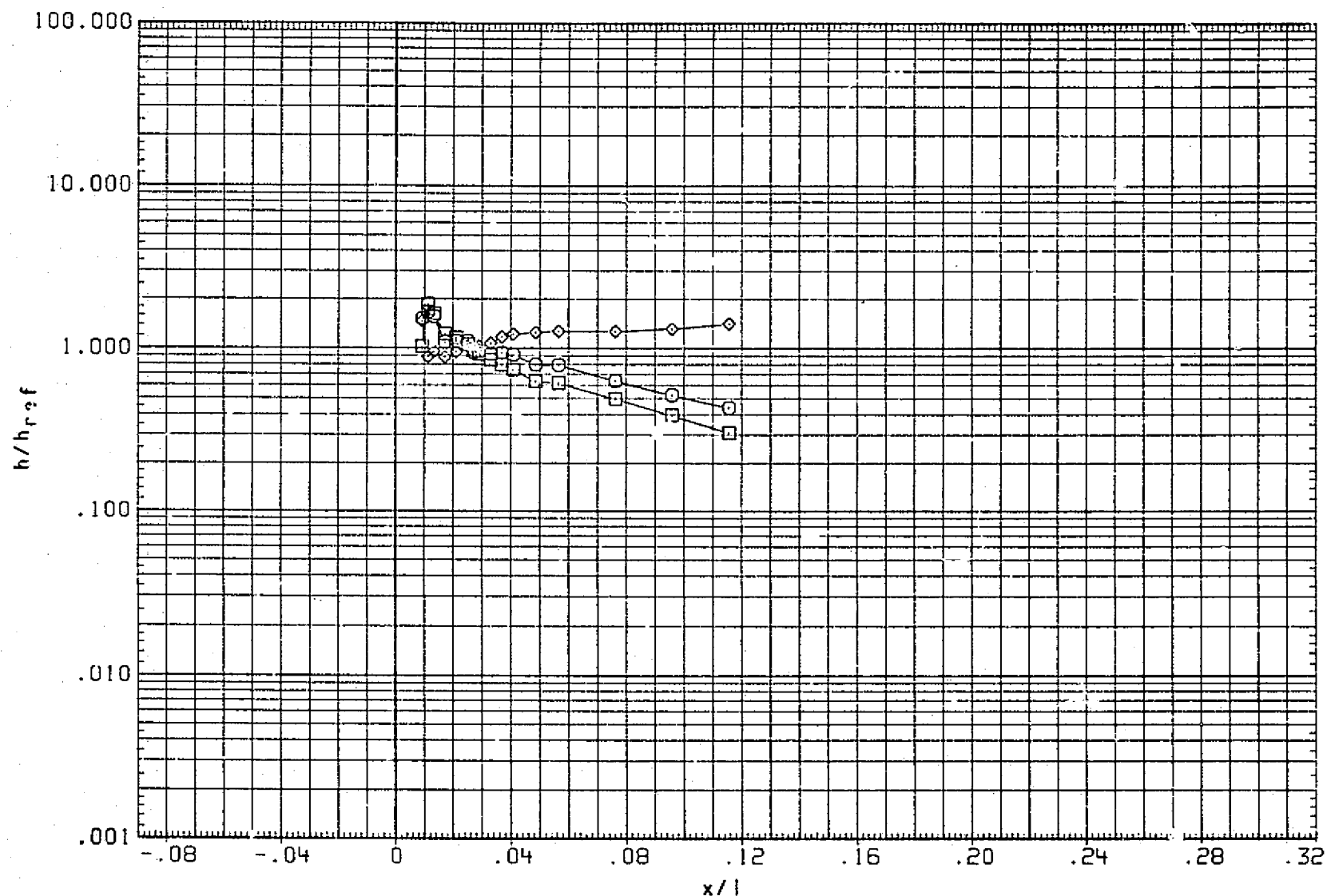


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

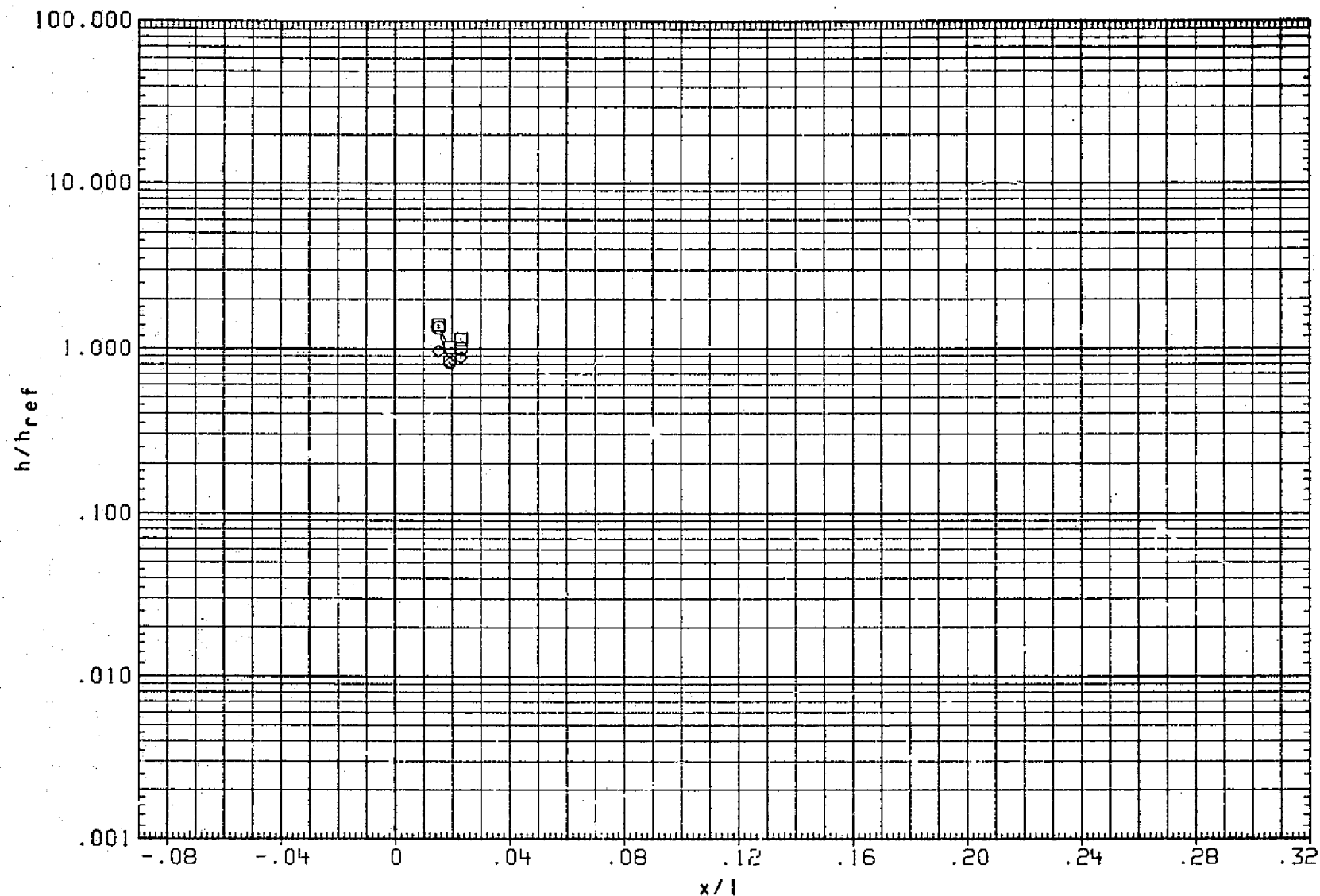


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

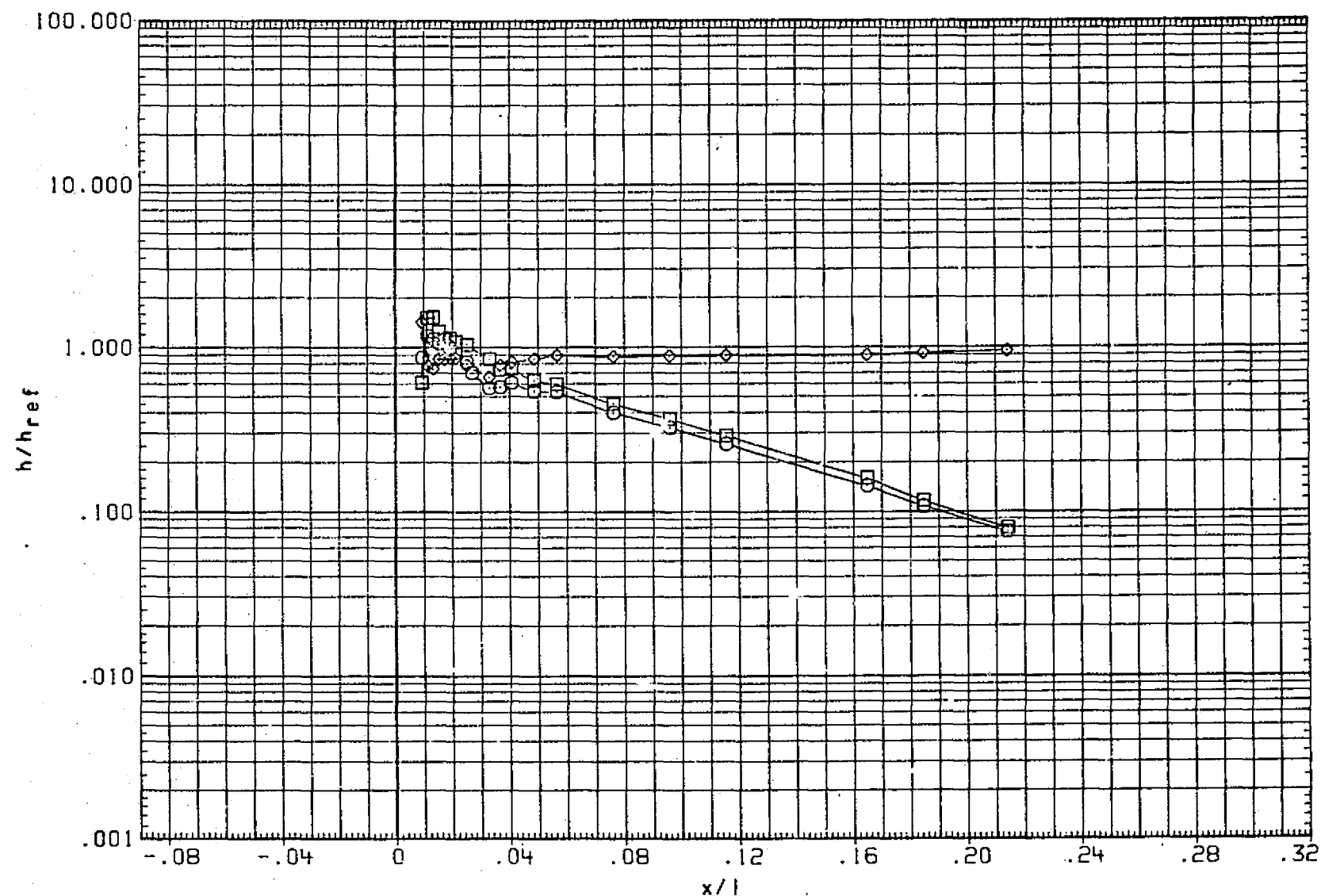


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08, RNTT20)	.000		5.000

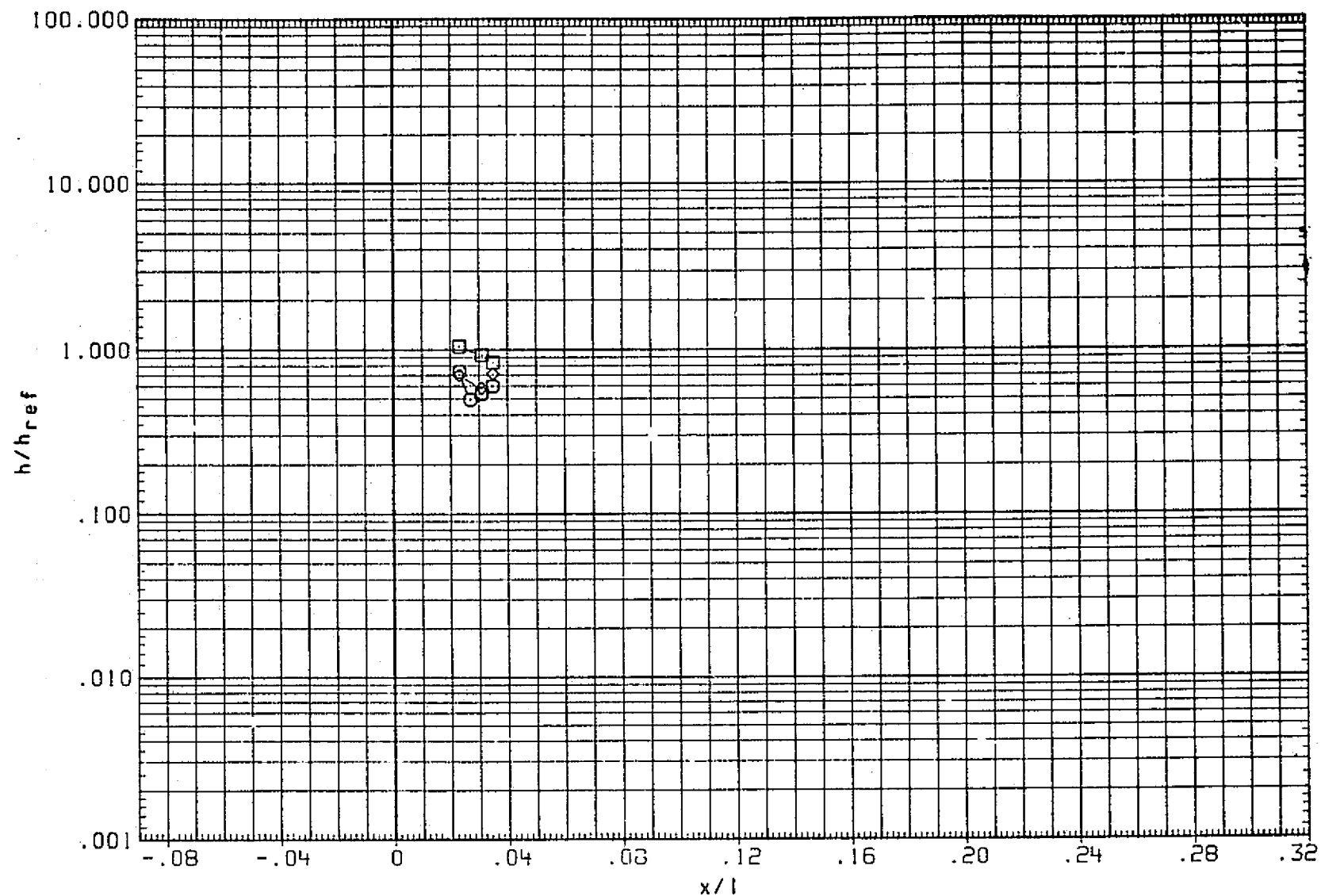


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

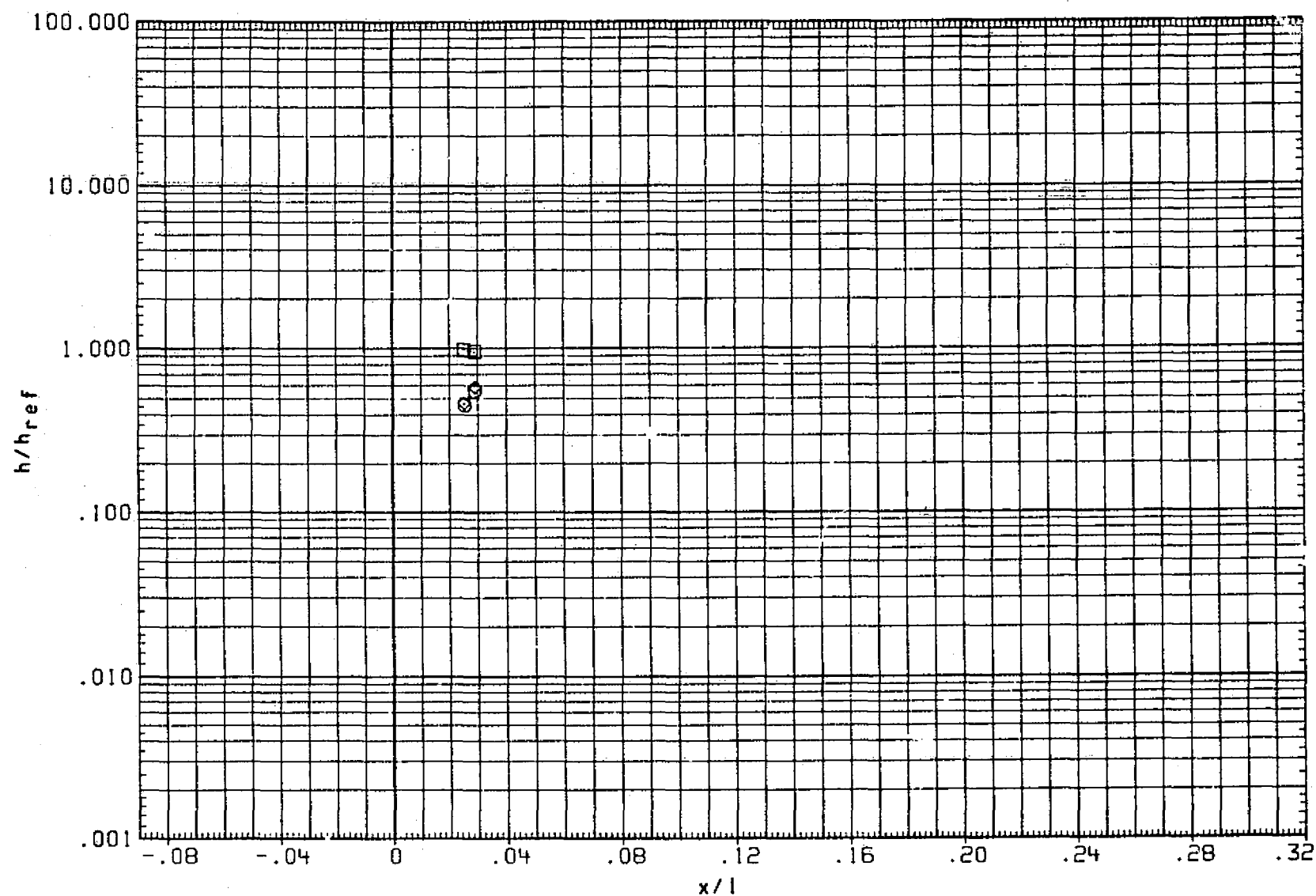


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

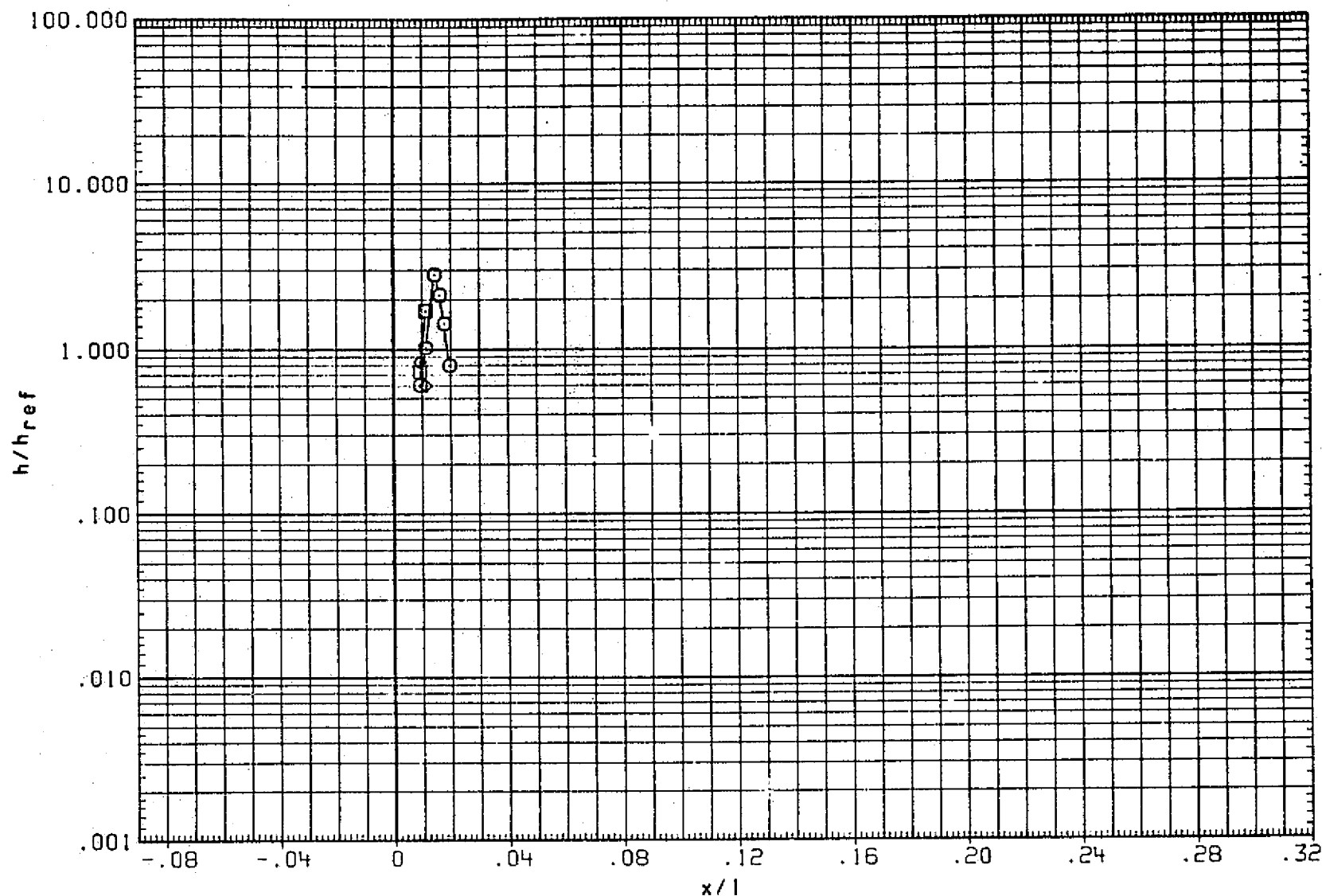


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

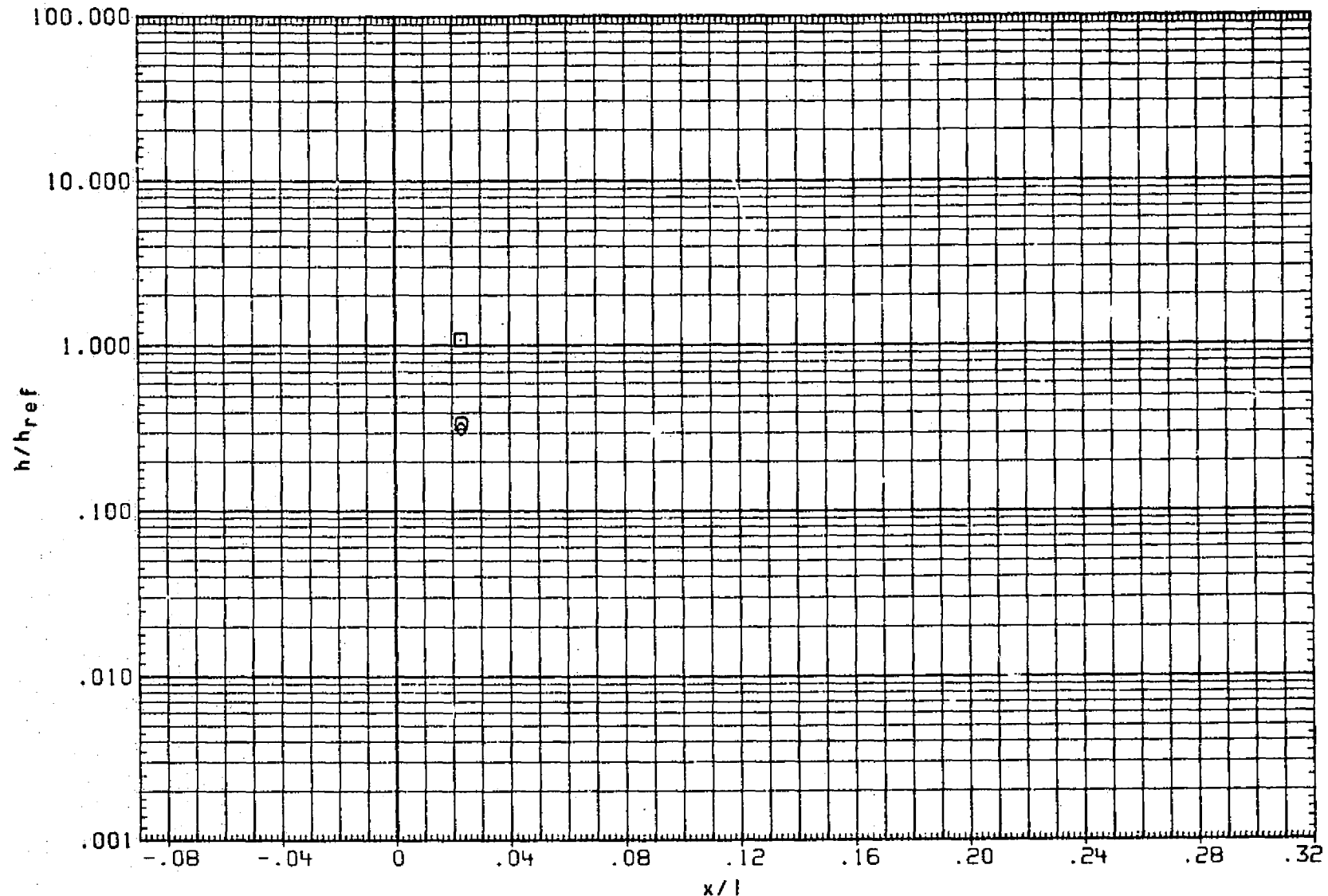


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1200

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

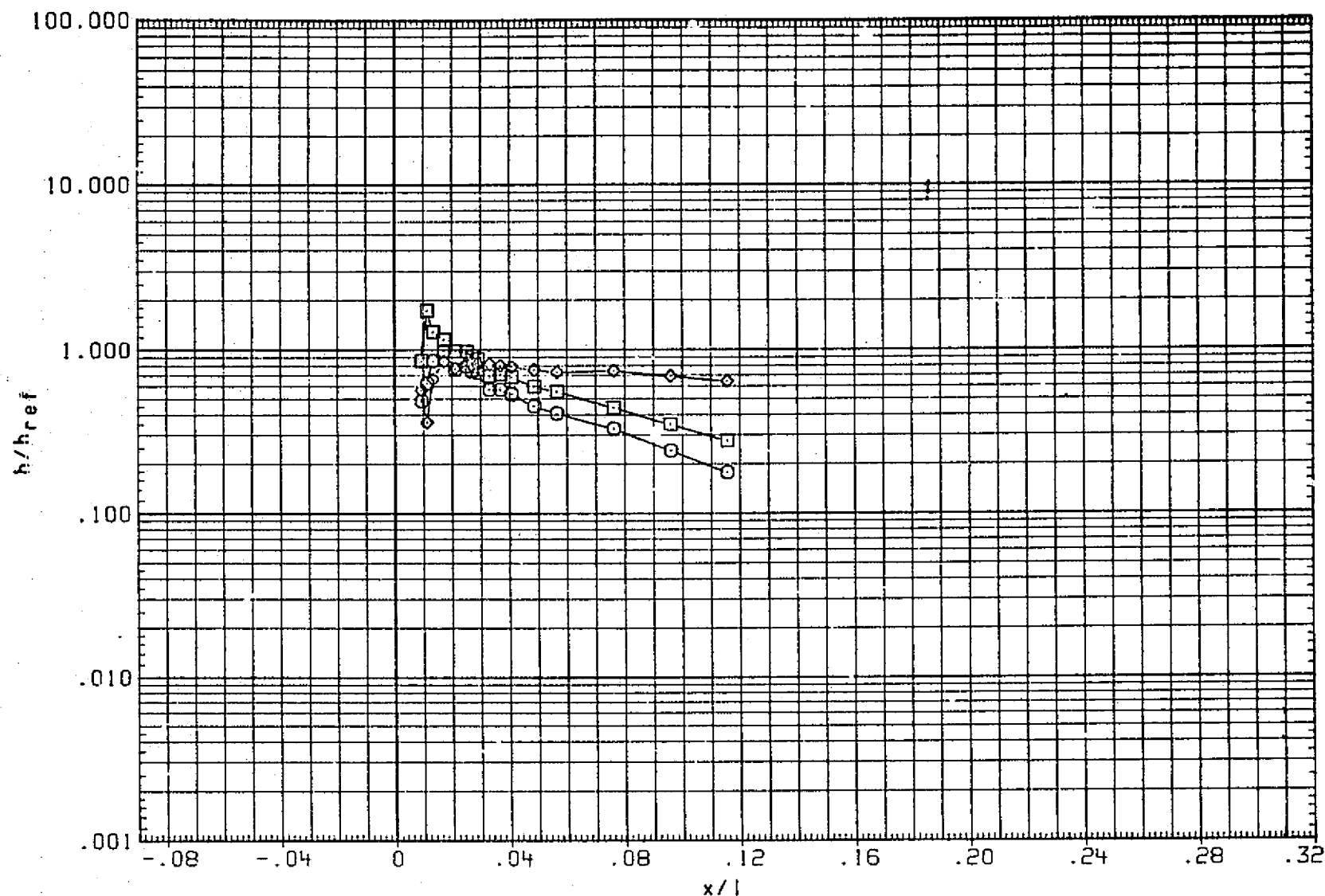


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT08)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)

ALPHA	BETA	RN/L
.000	-9.000	5.000
.000	.000	5.000
.000		5.000

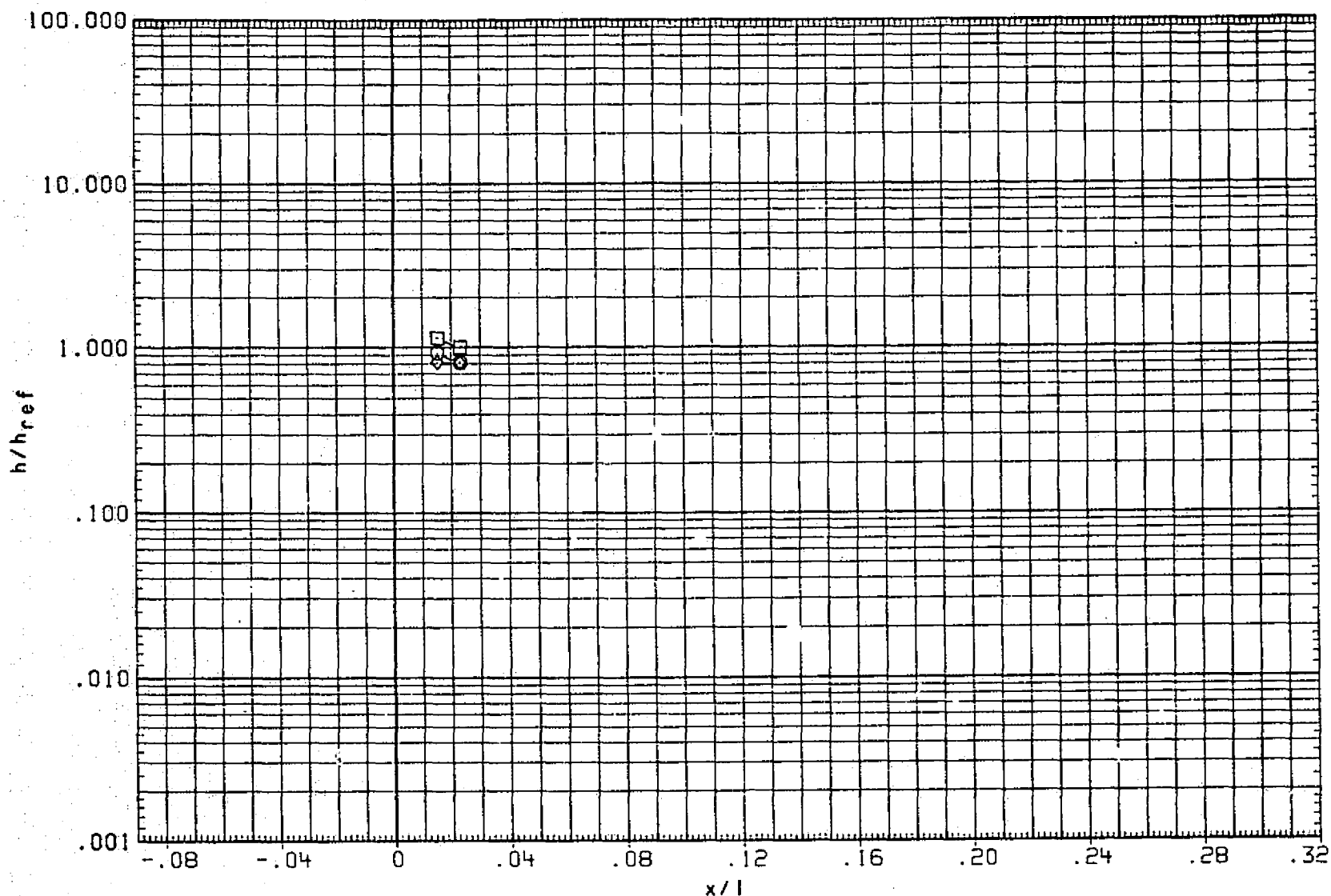


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000	.000	5.000

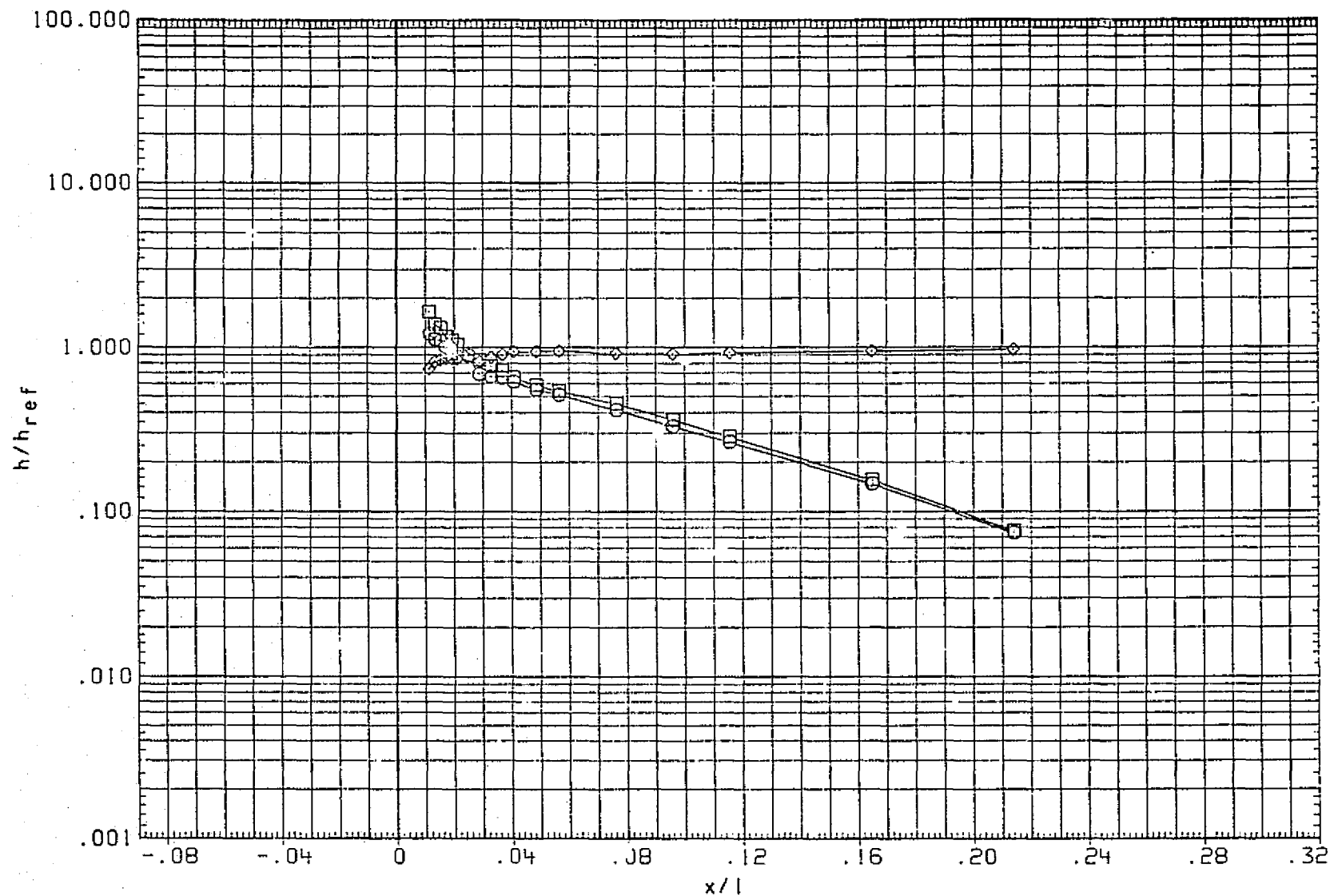


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000	.000	5.000

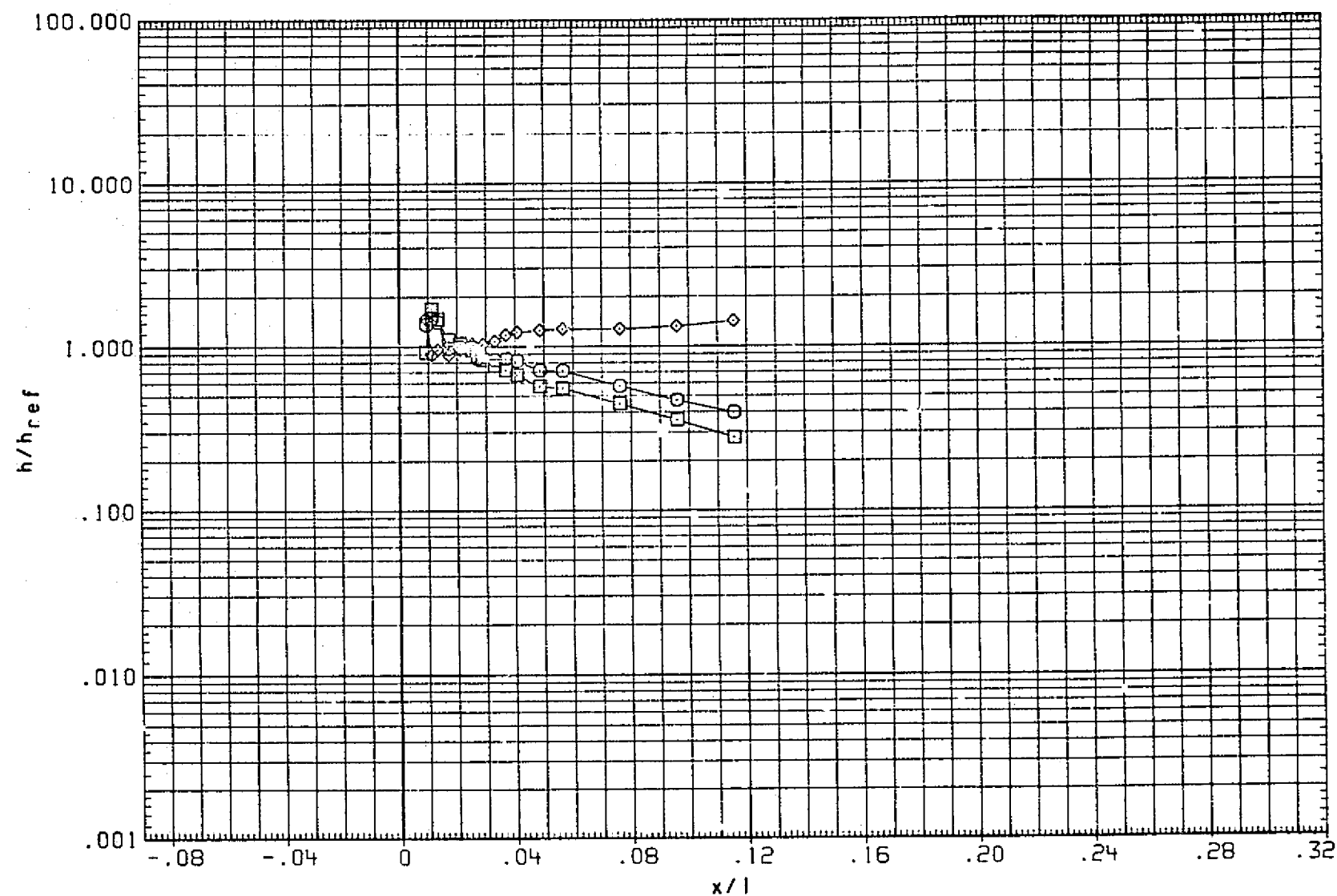


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

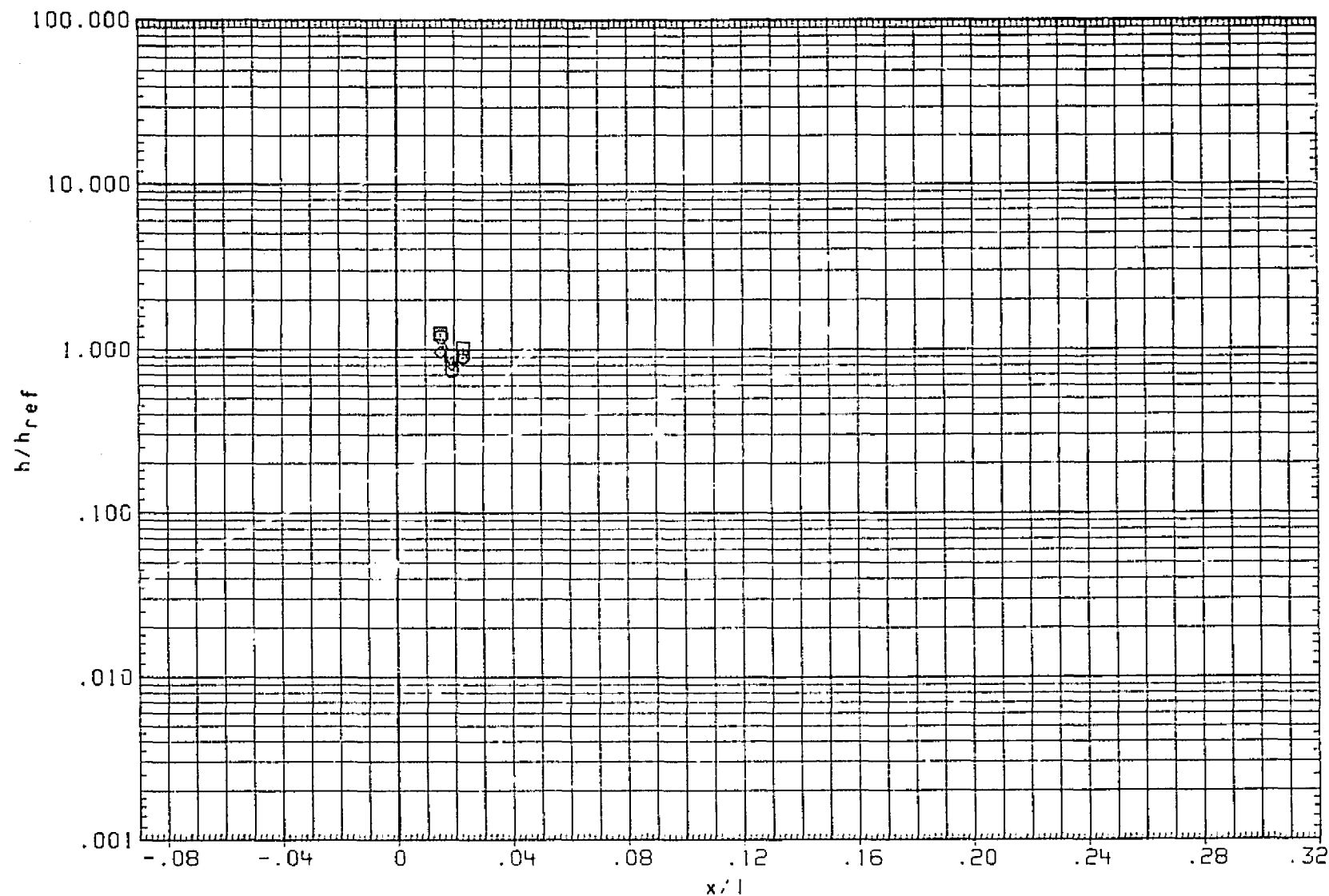


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000	.000	5.000

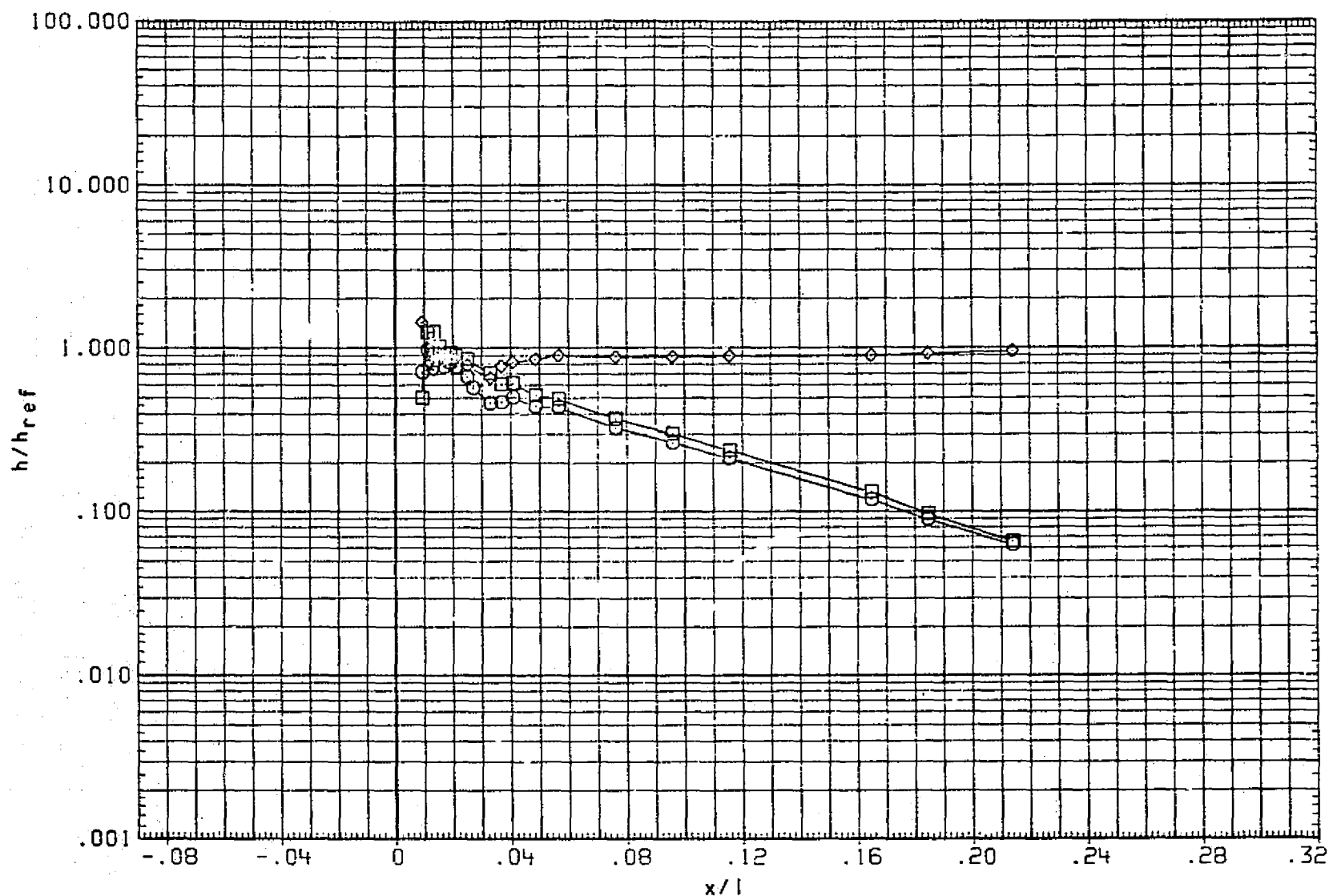


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000	.000	5.000

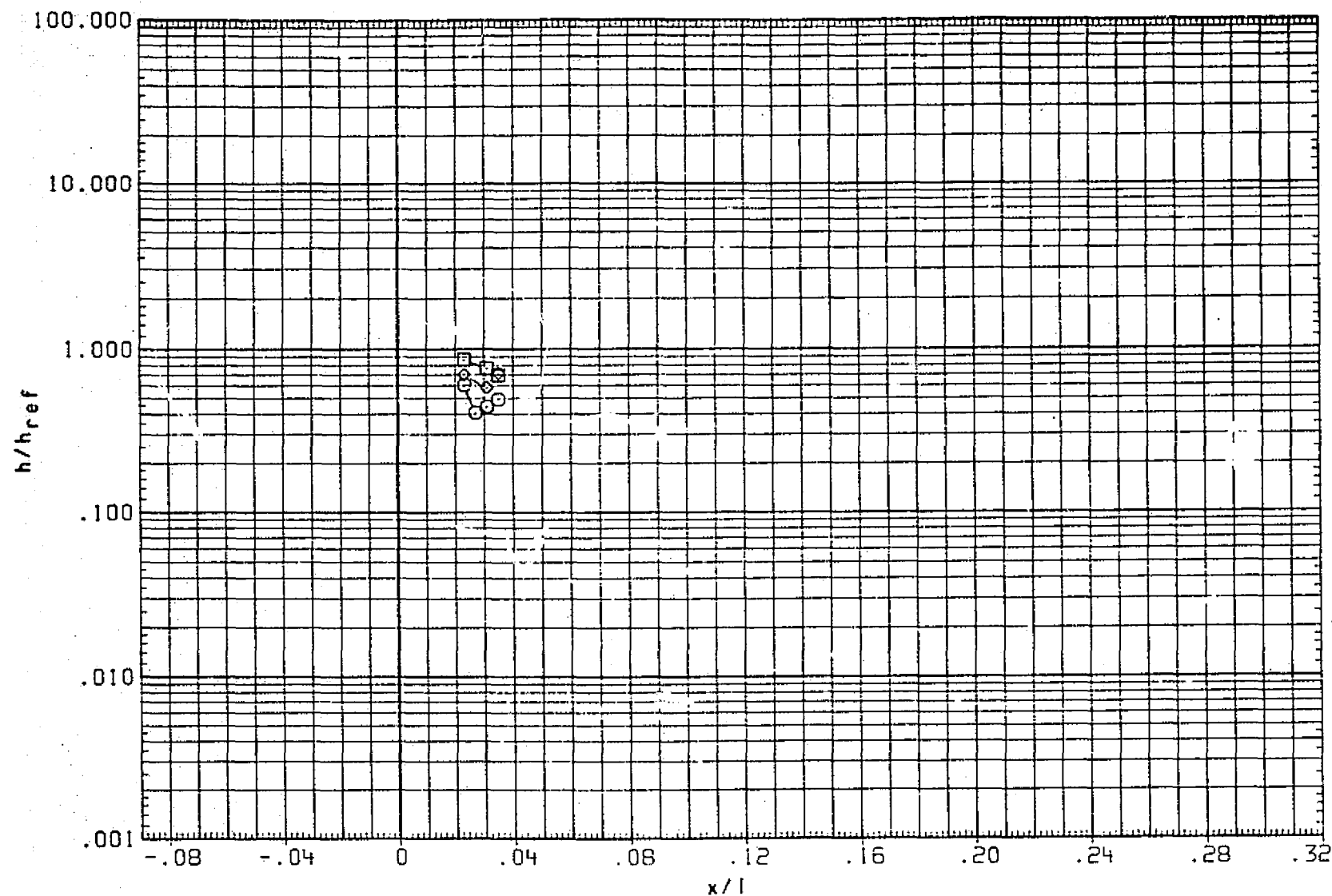


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

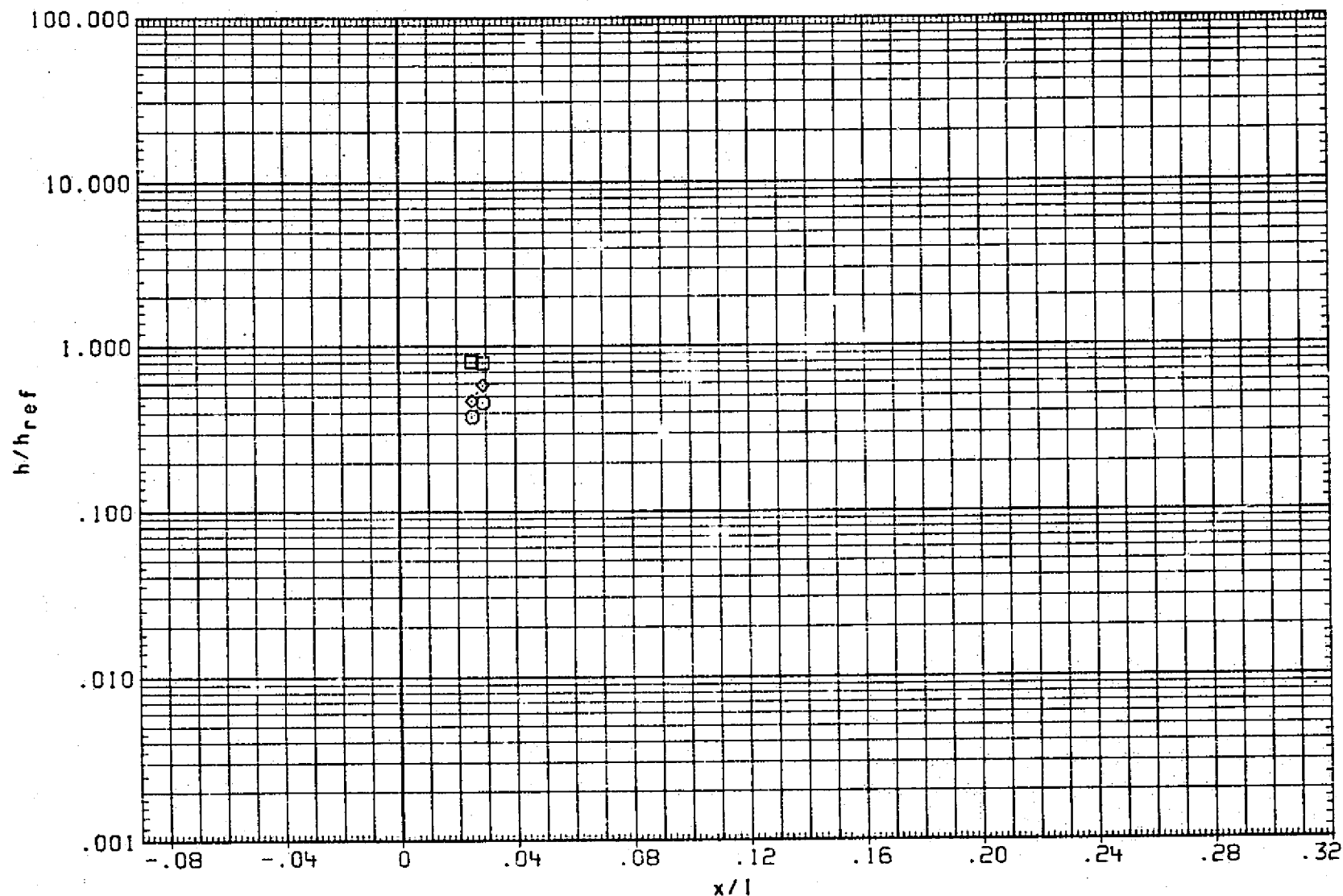


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 .BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1208

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000	.000	5.000

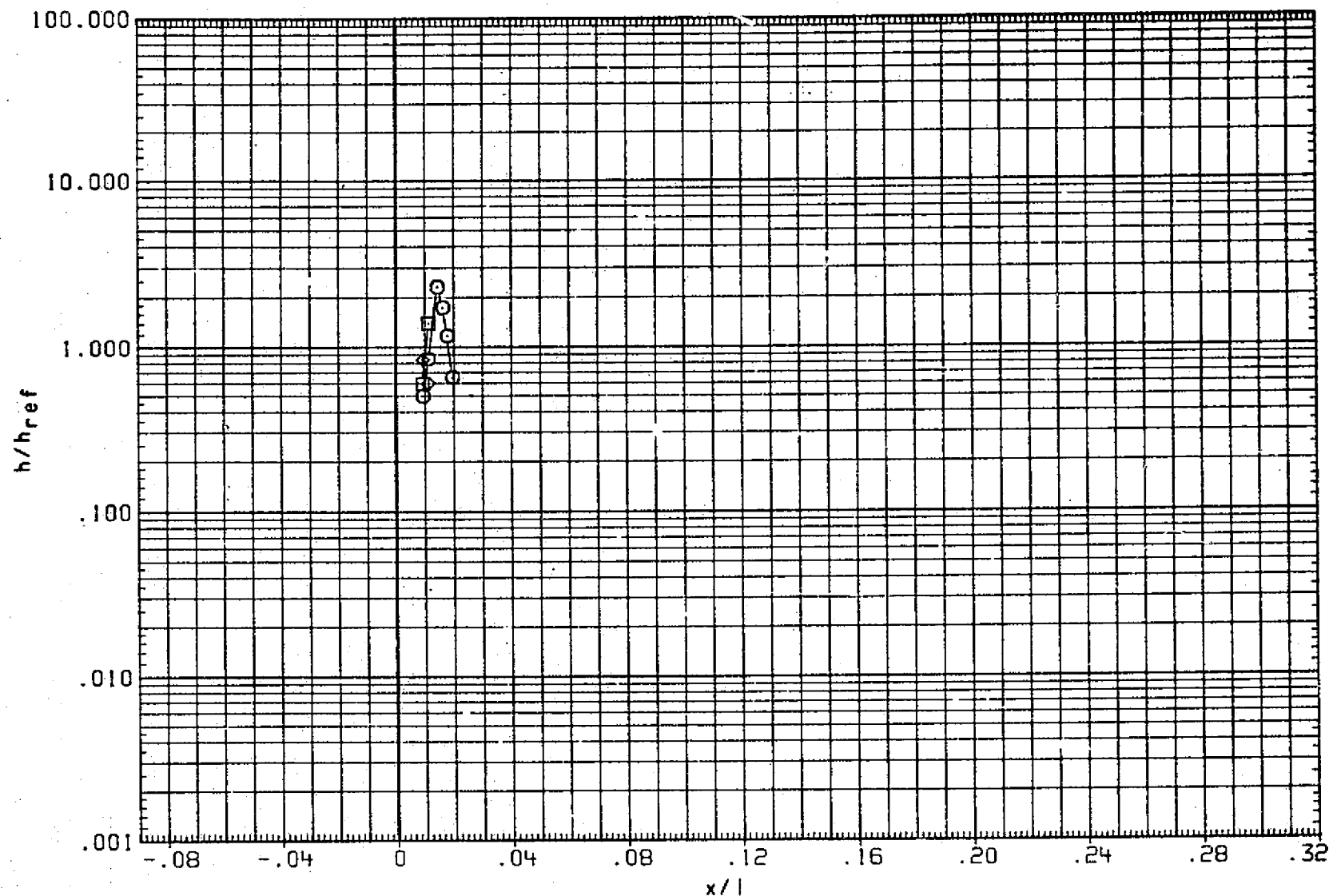


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

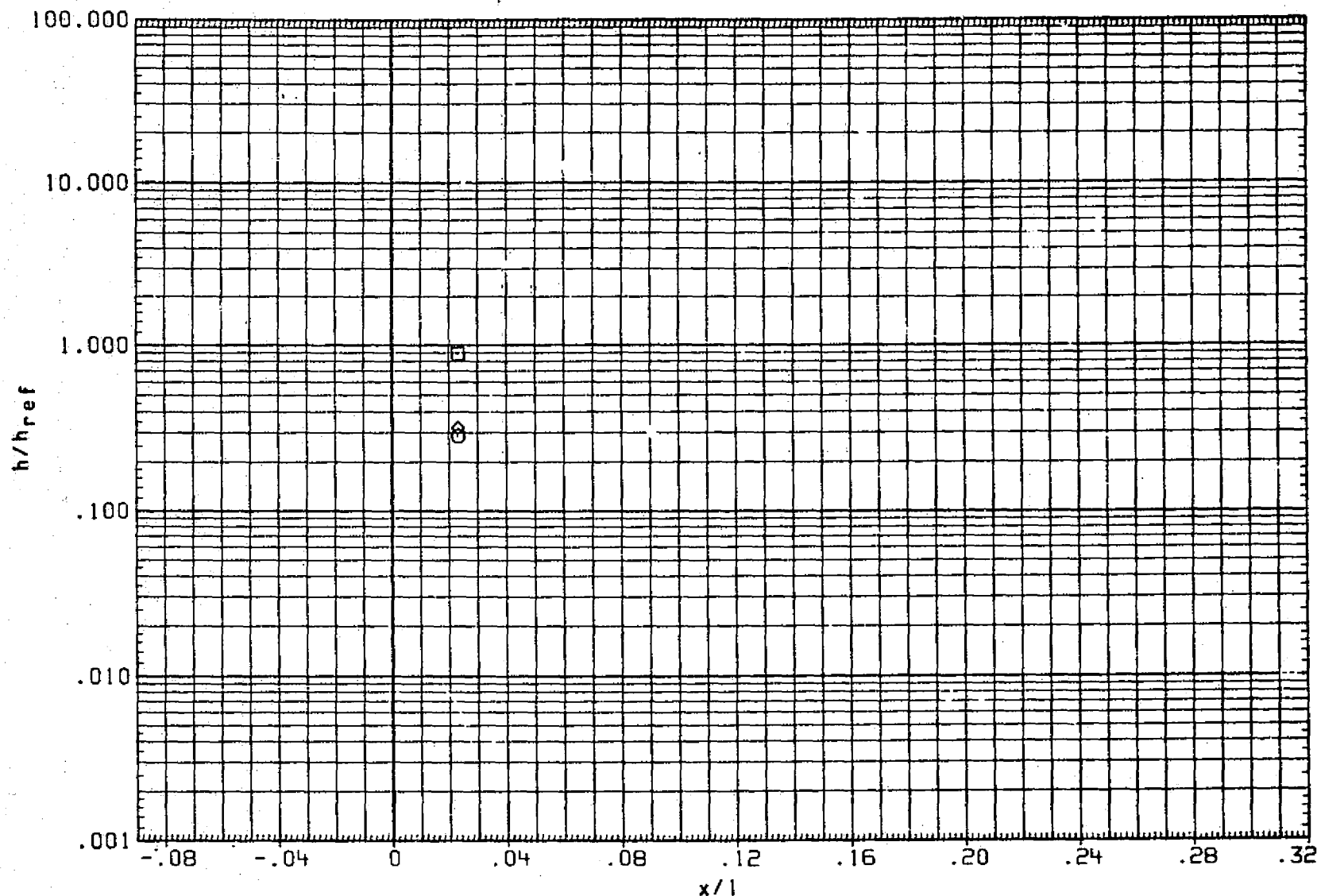


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1210

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000	.000	5.000

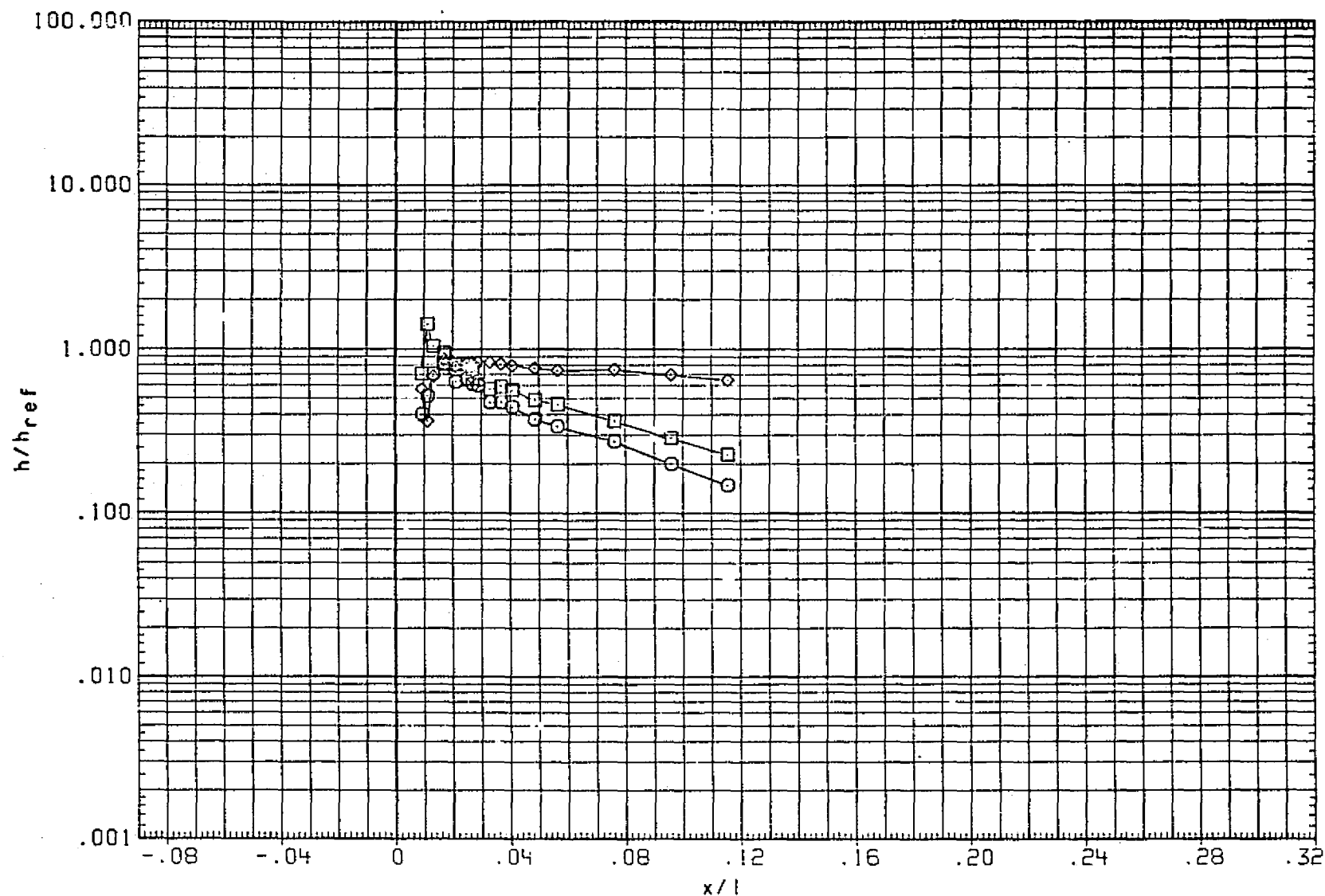


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.0 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) H1/HU (RNTT08/RNTT20)	.000		5.000

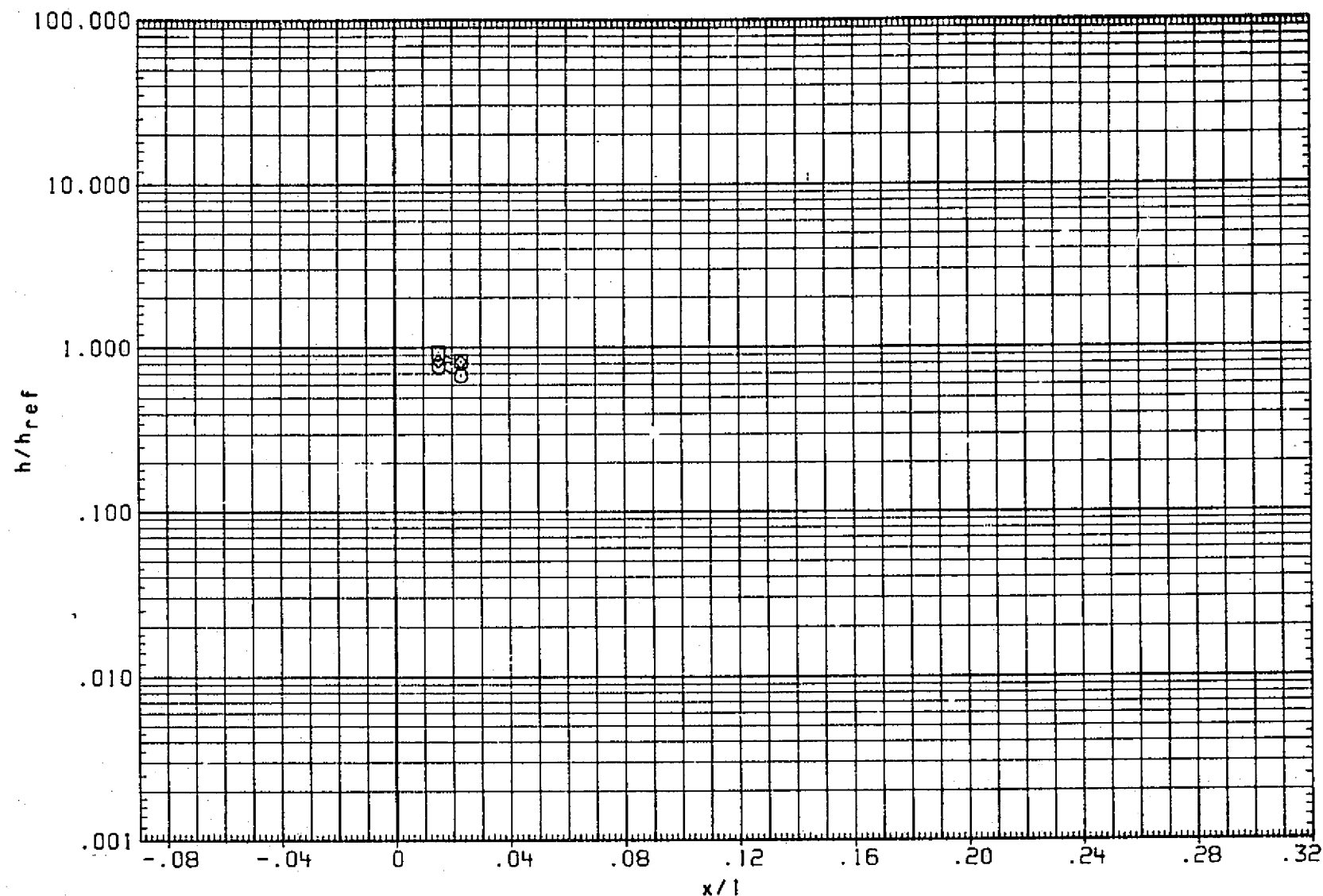


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

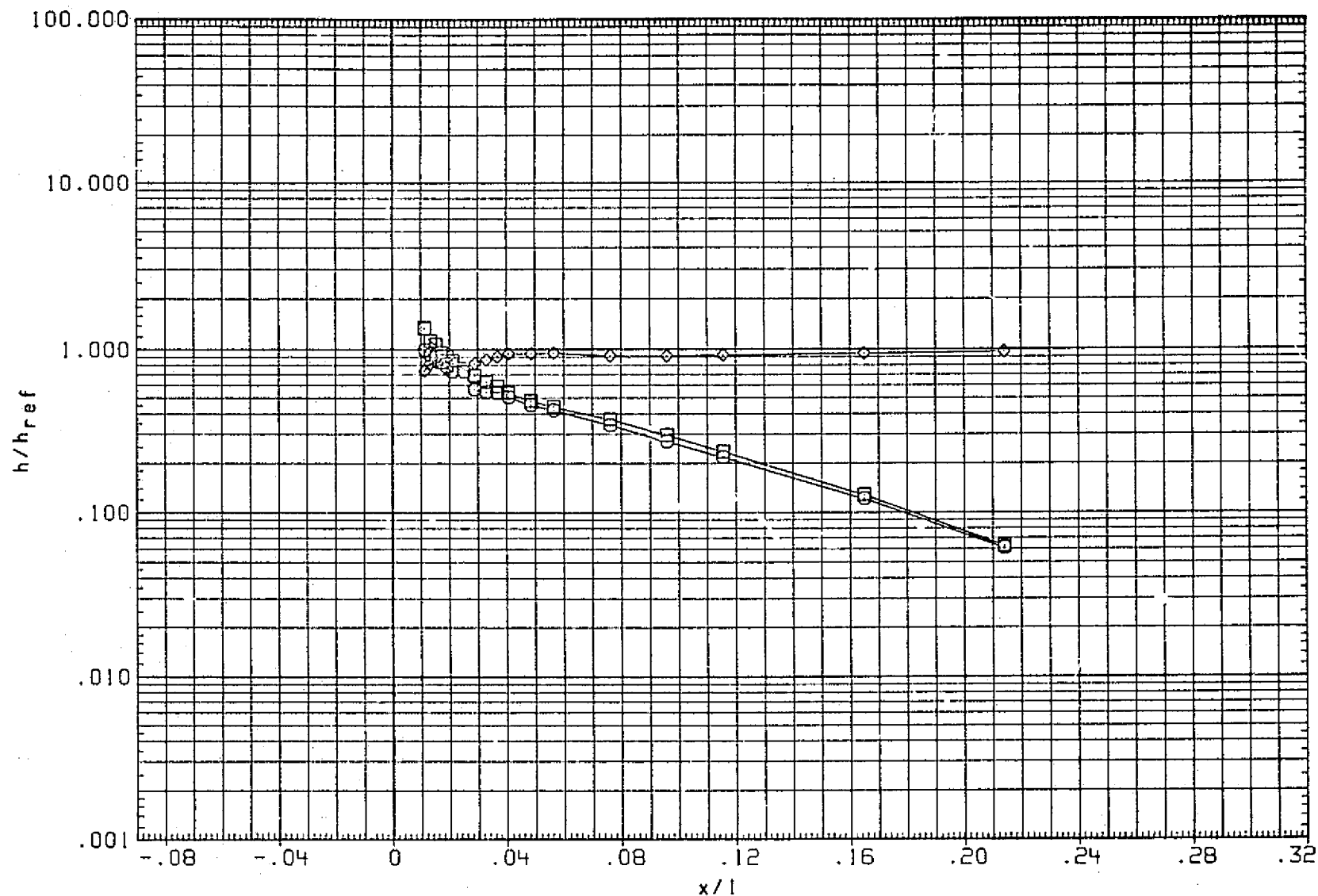


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.300
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

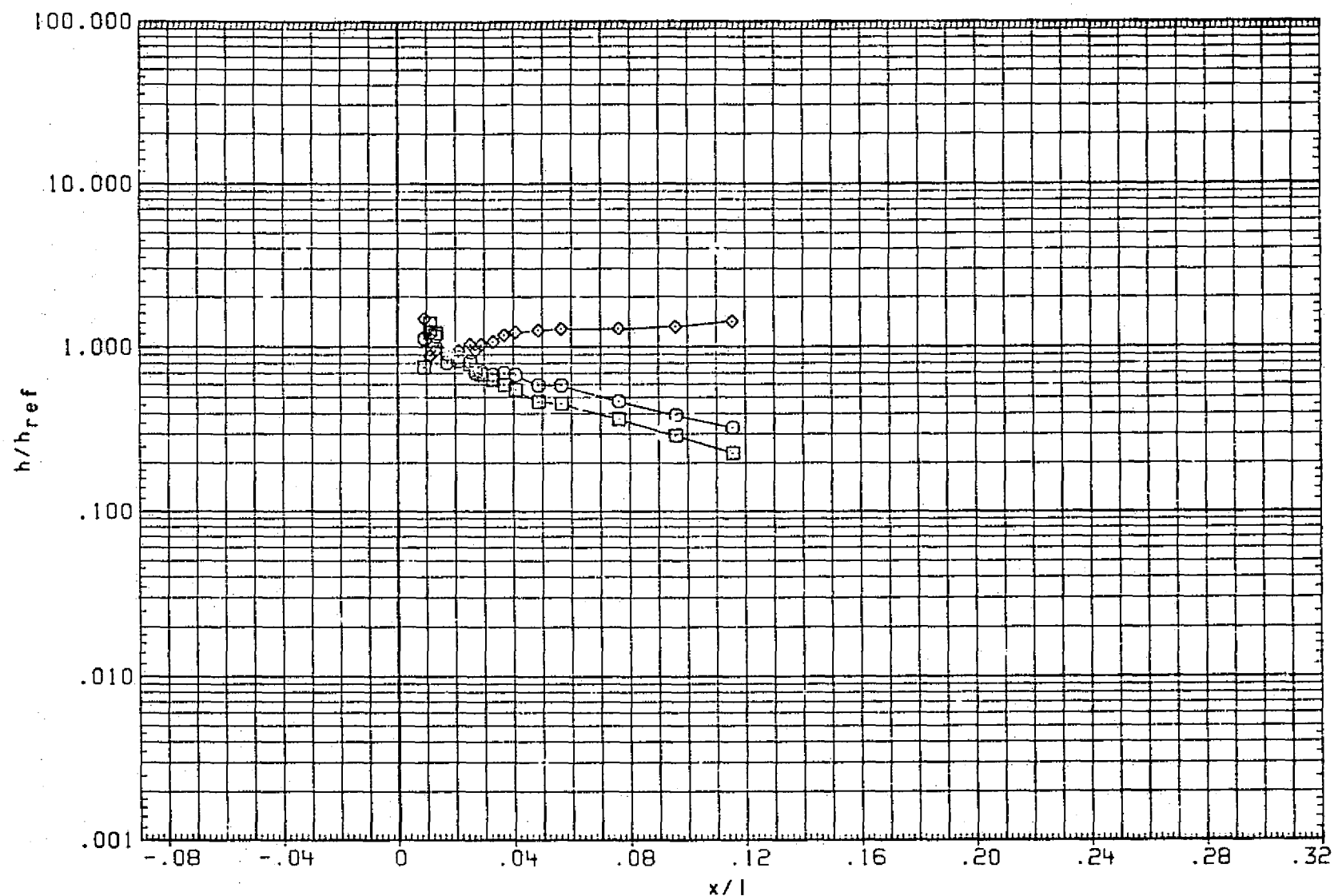


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT08)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-9.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT08)	◇	ARC3.5-215(FH14) HI/HU (RNTT08/RNTT20)	.000		5.000

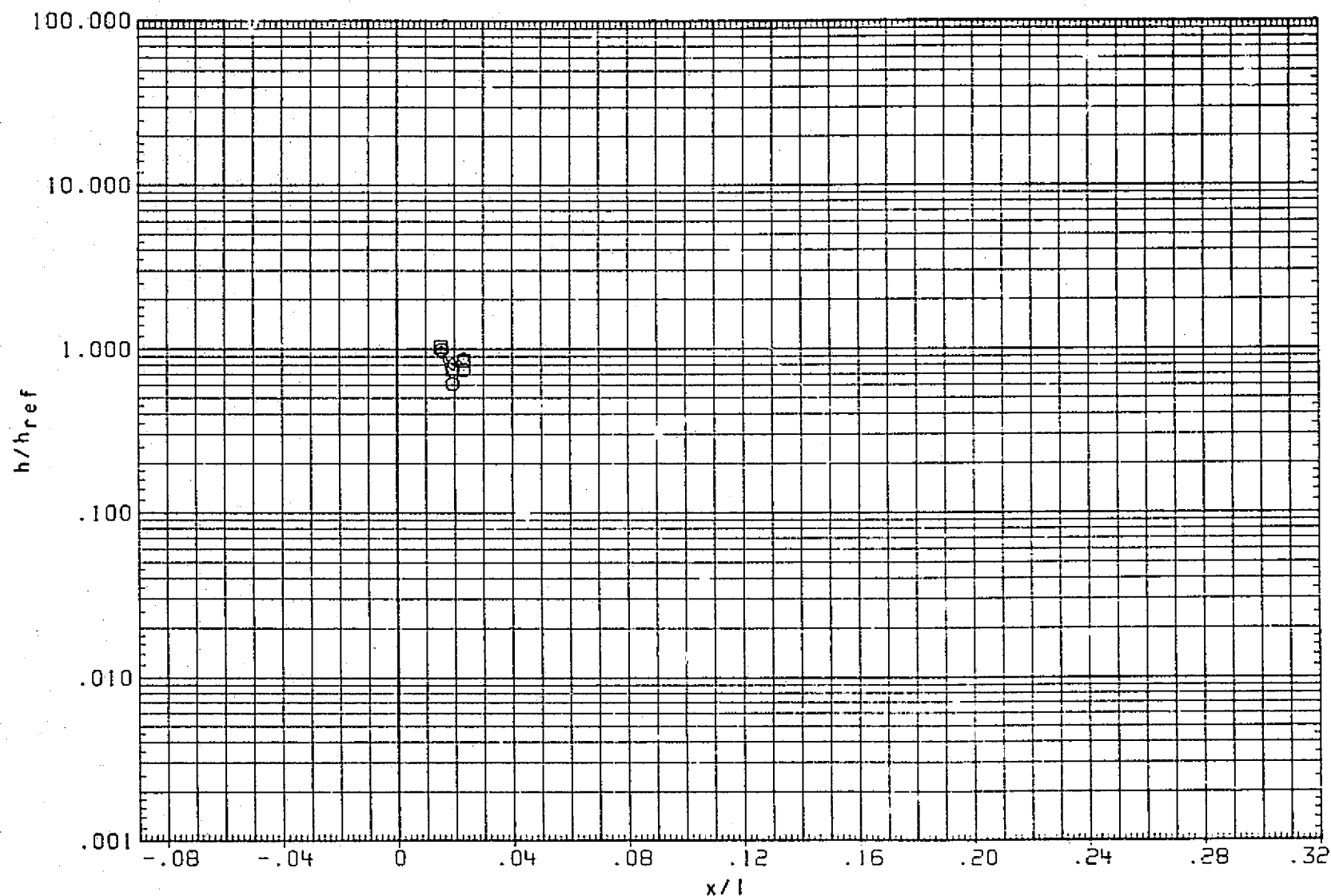


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-2151FH14110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-2151FH14110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(RNTT09)	◇	ARC3.5-2151FH141 H1/HU (RNTT09/RNTT20)	.000		5.000

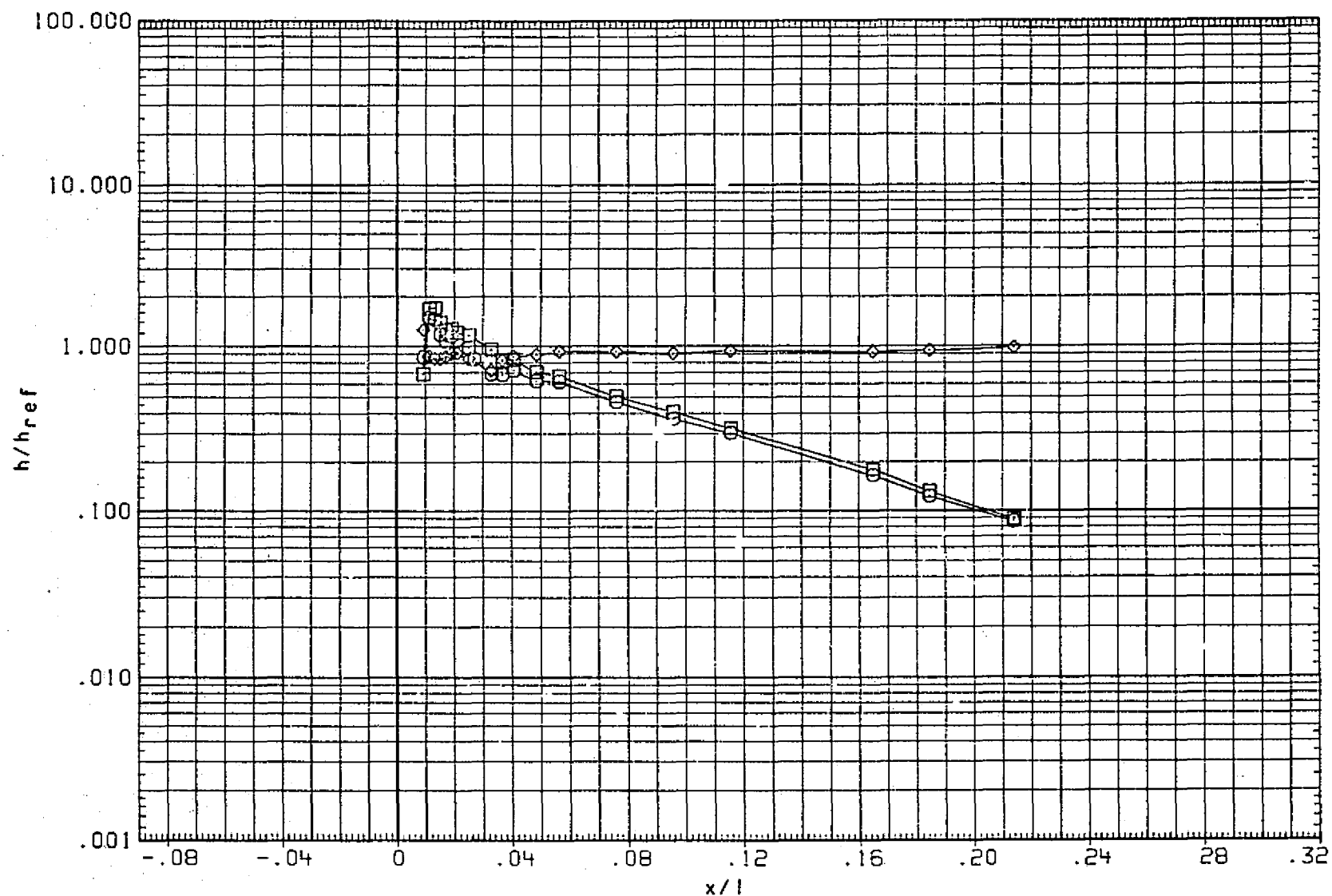


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

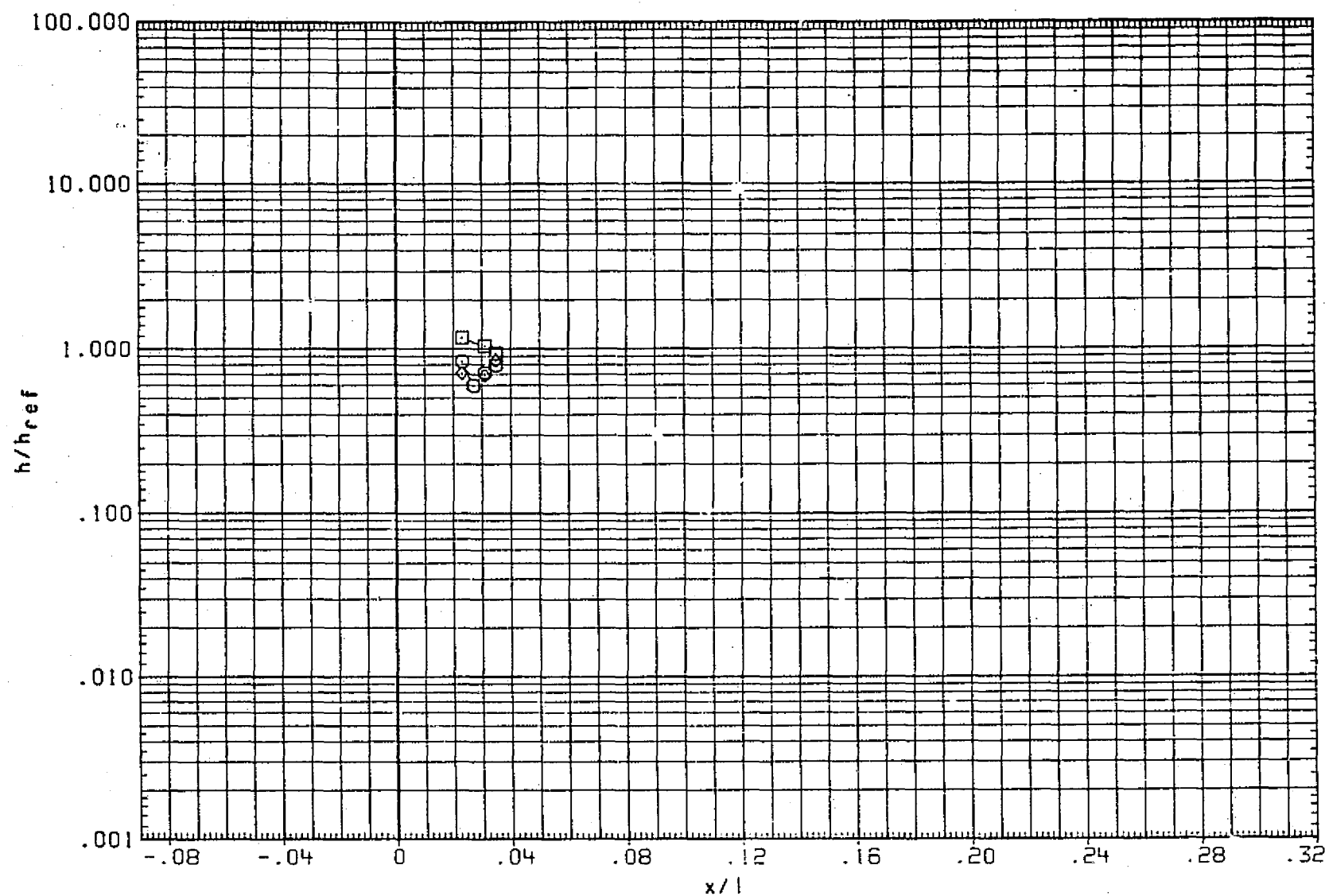


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

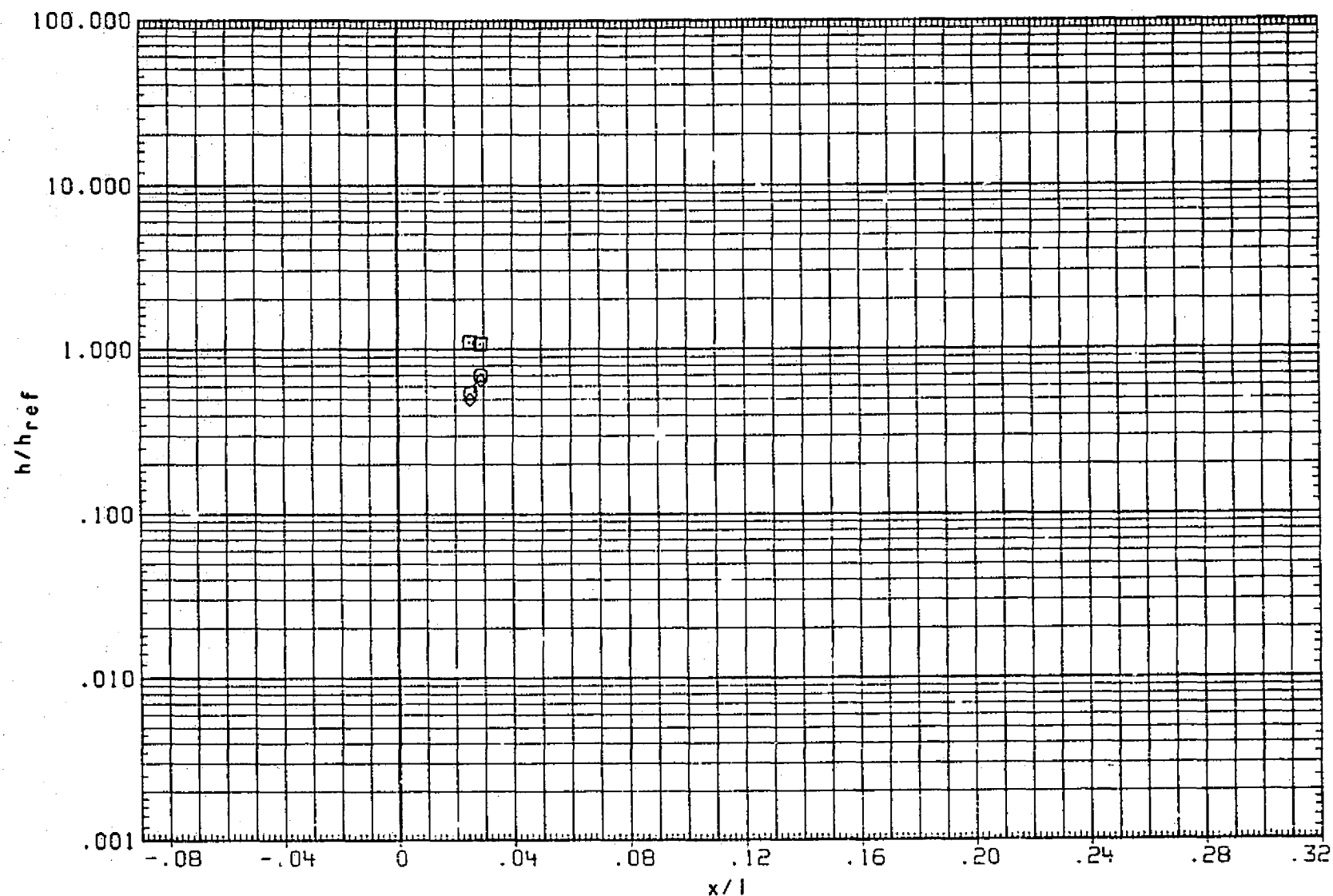


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)	.000	.000	5.000

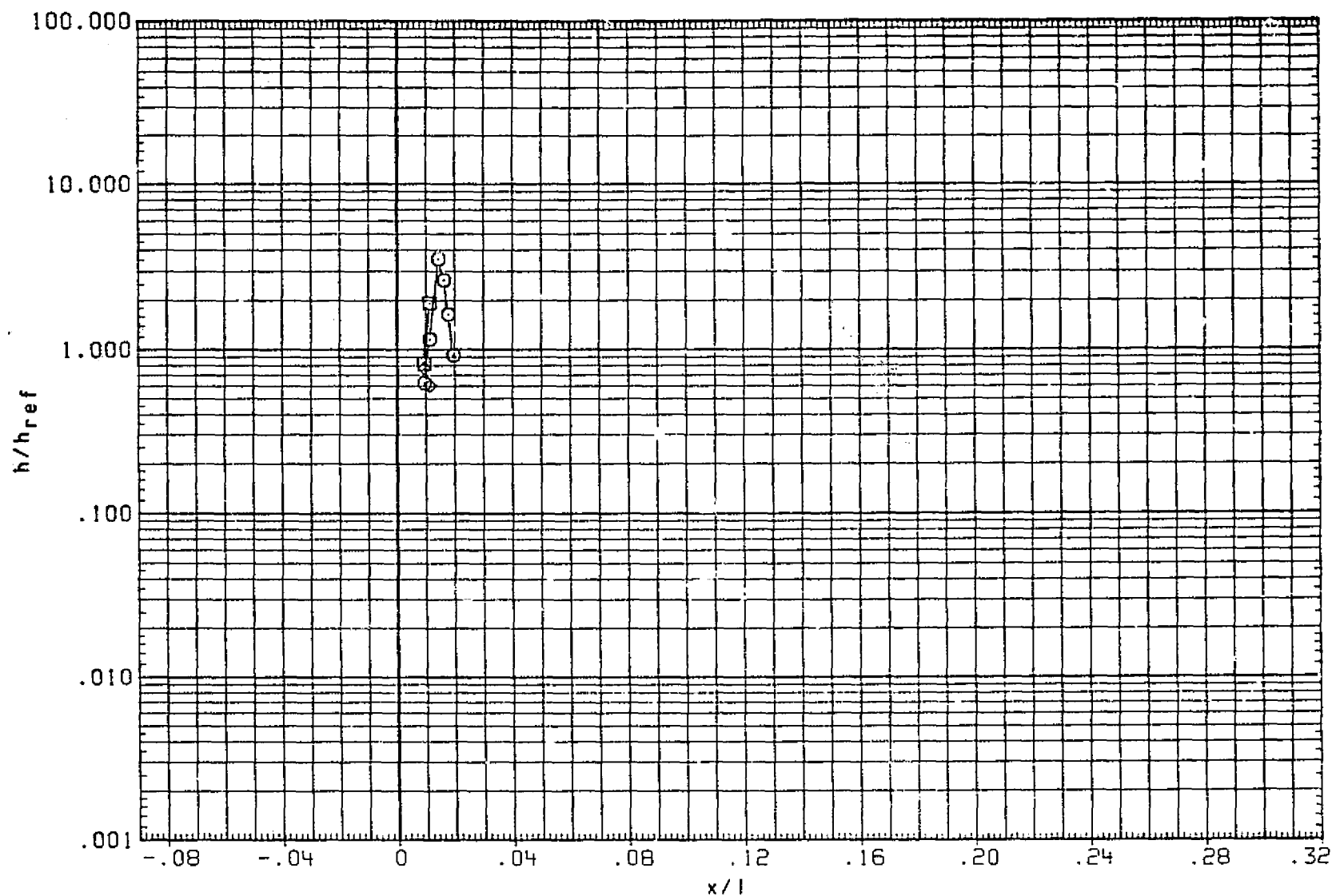


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

PAGE 1219

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)	.000		5.000

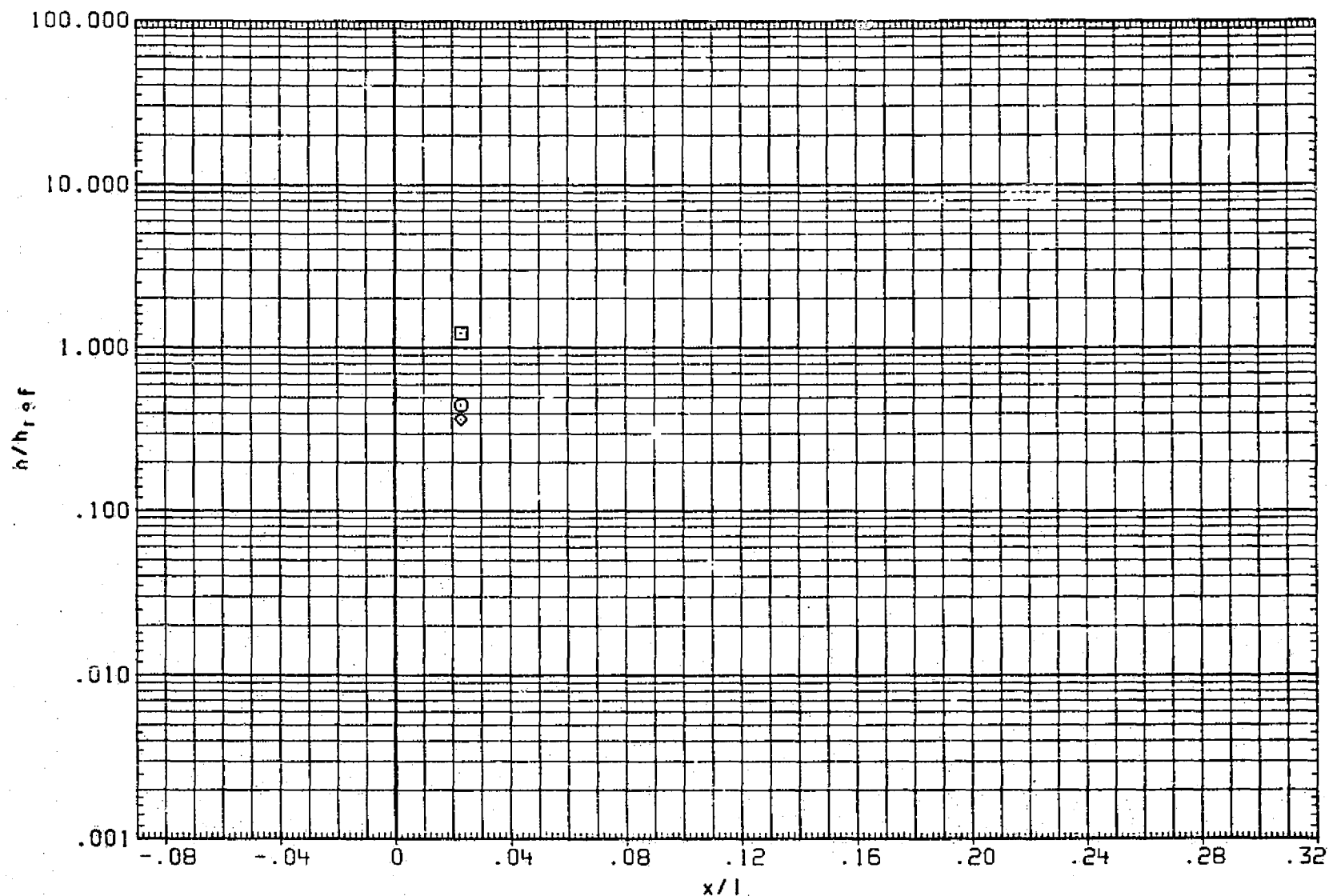


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1220

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000	.000	5.000

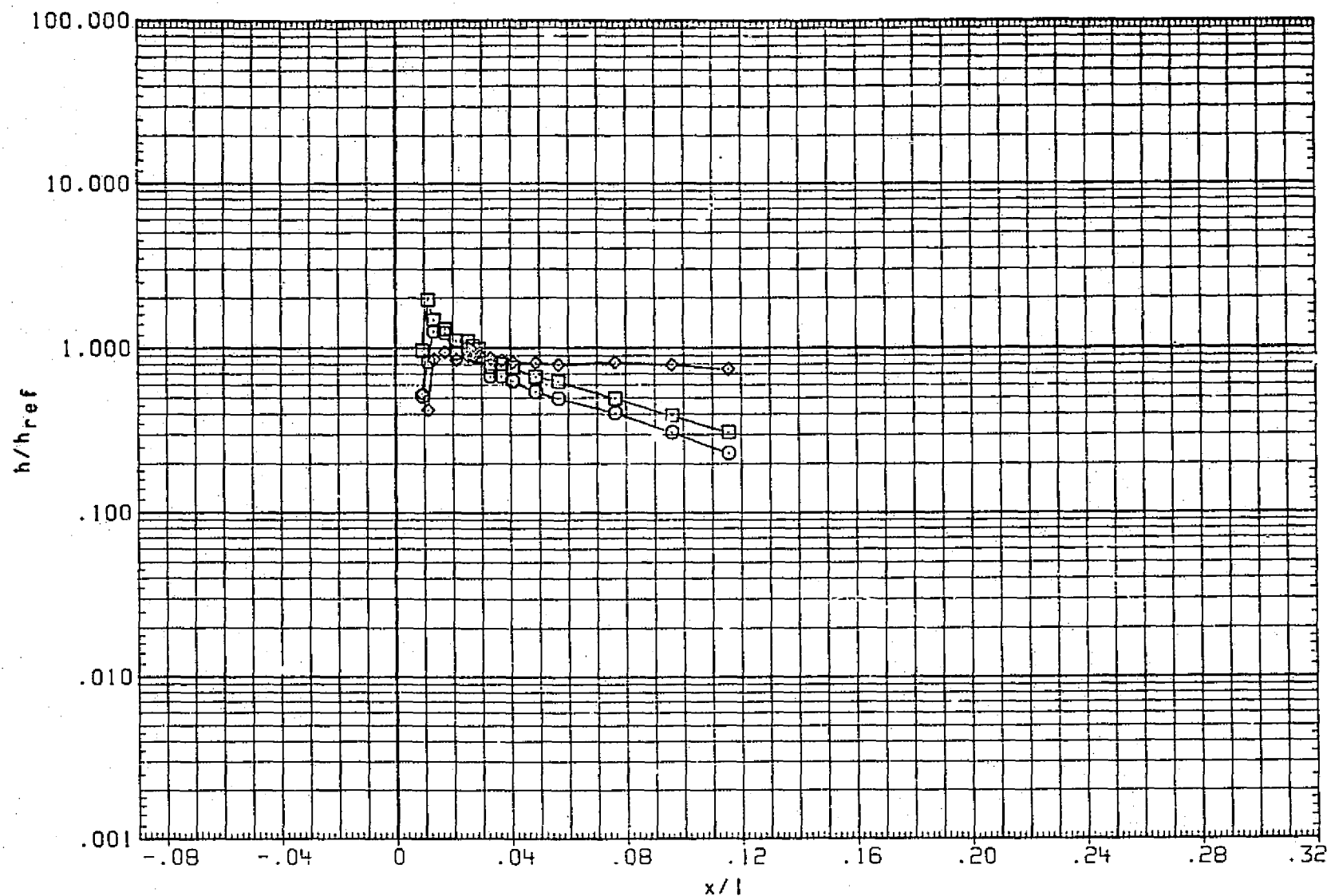


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

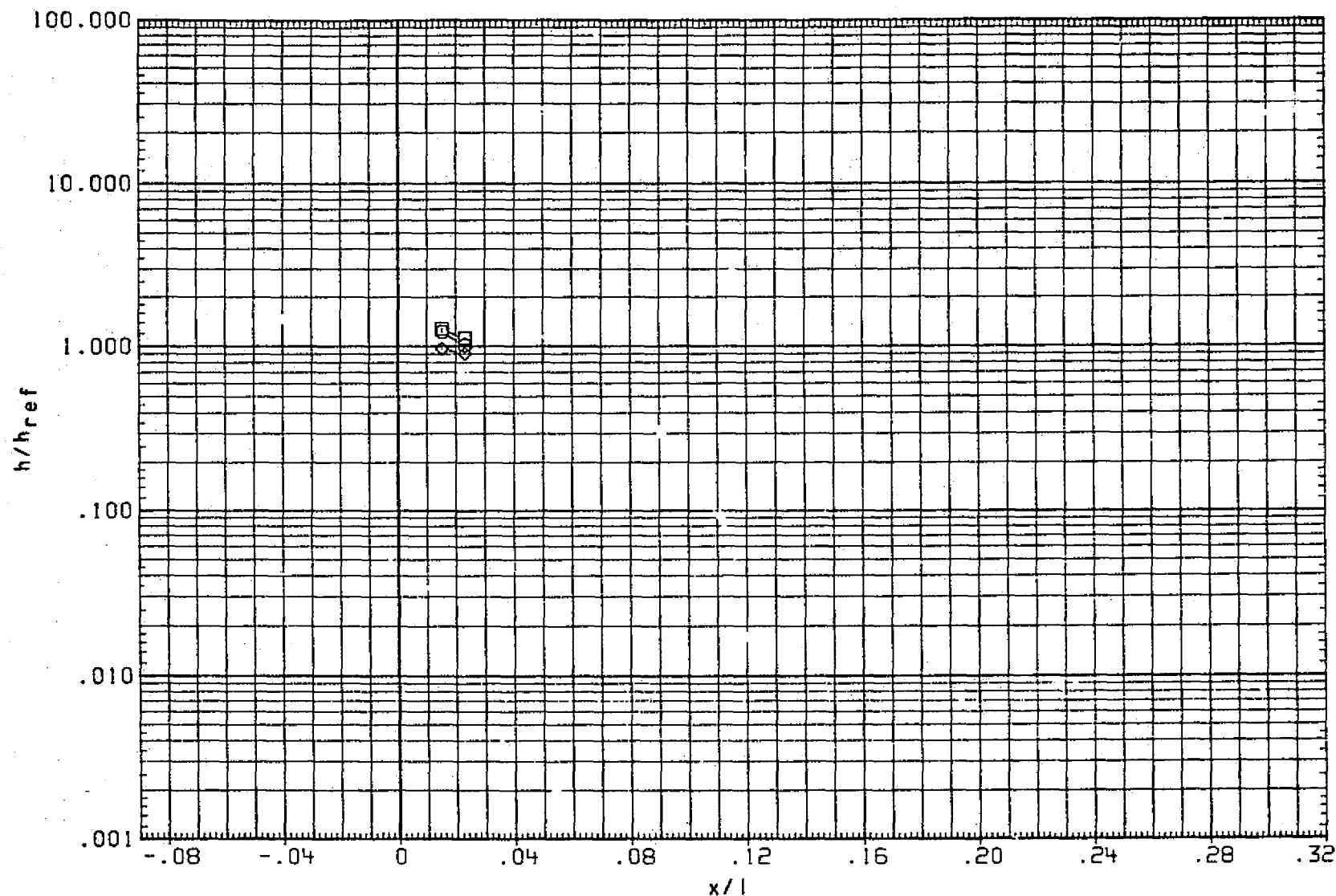


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1222

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

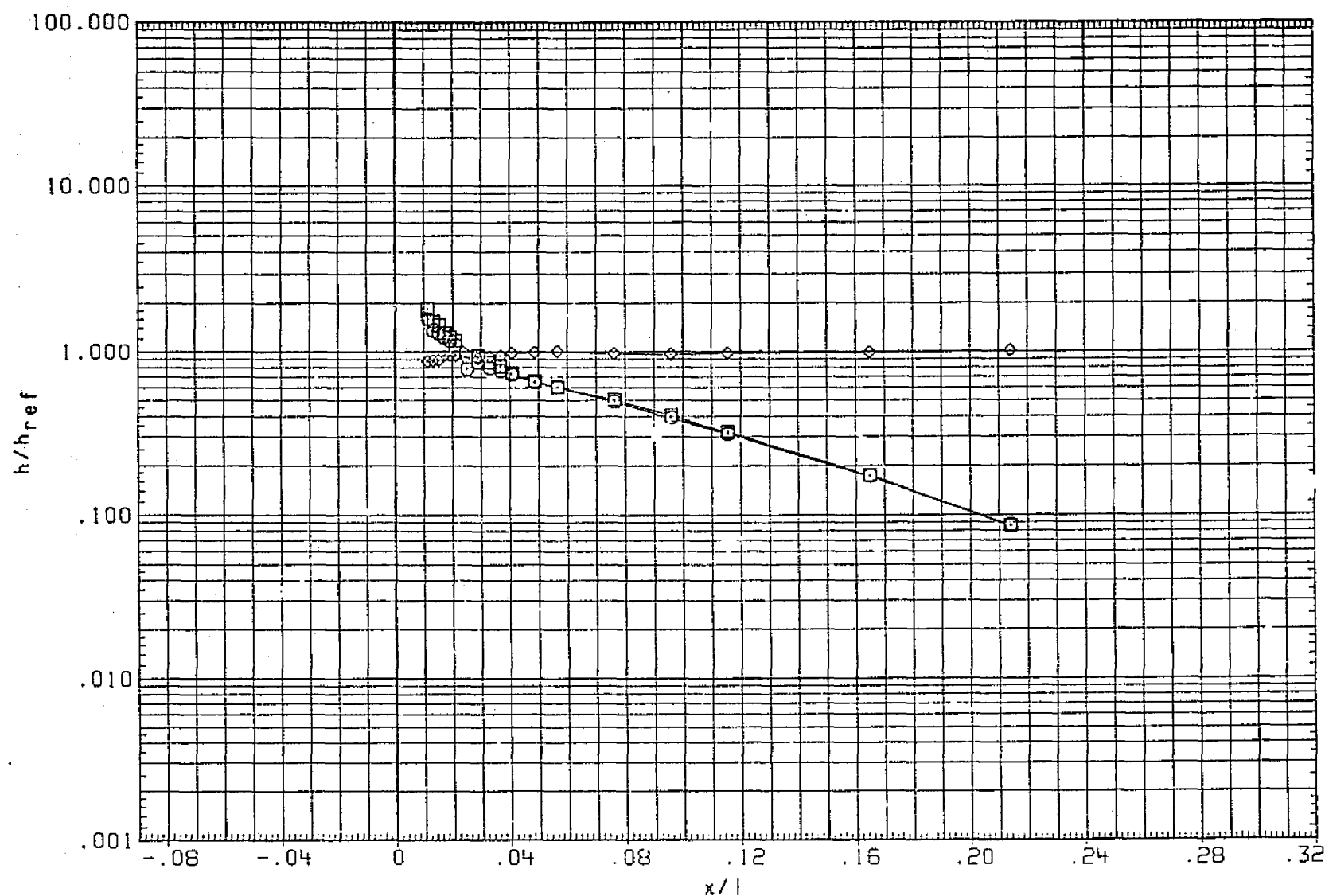


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RNTT09)  $\square$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB  
 (RNTT20)  $\square$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)  
 (CNTT09)  $\diamond$  ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)

ALPHA BETA RN/L  
 .000 -6.000 5.000  
 .000 .000 5.000  
 .000 .000 5.000

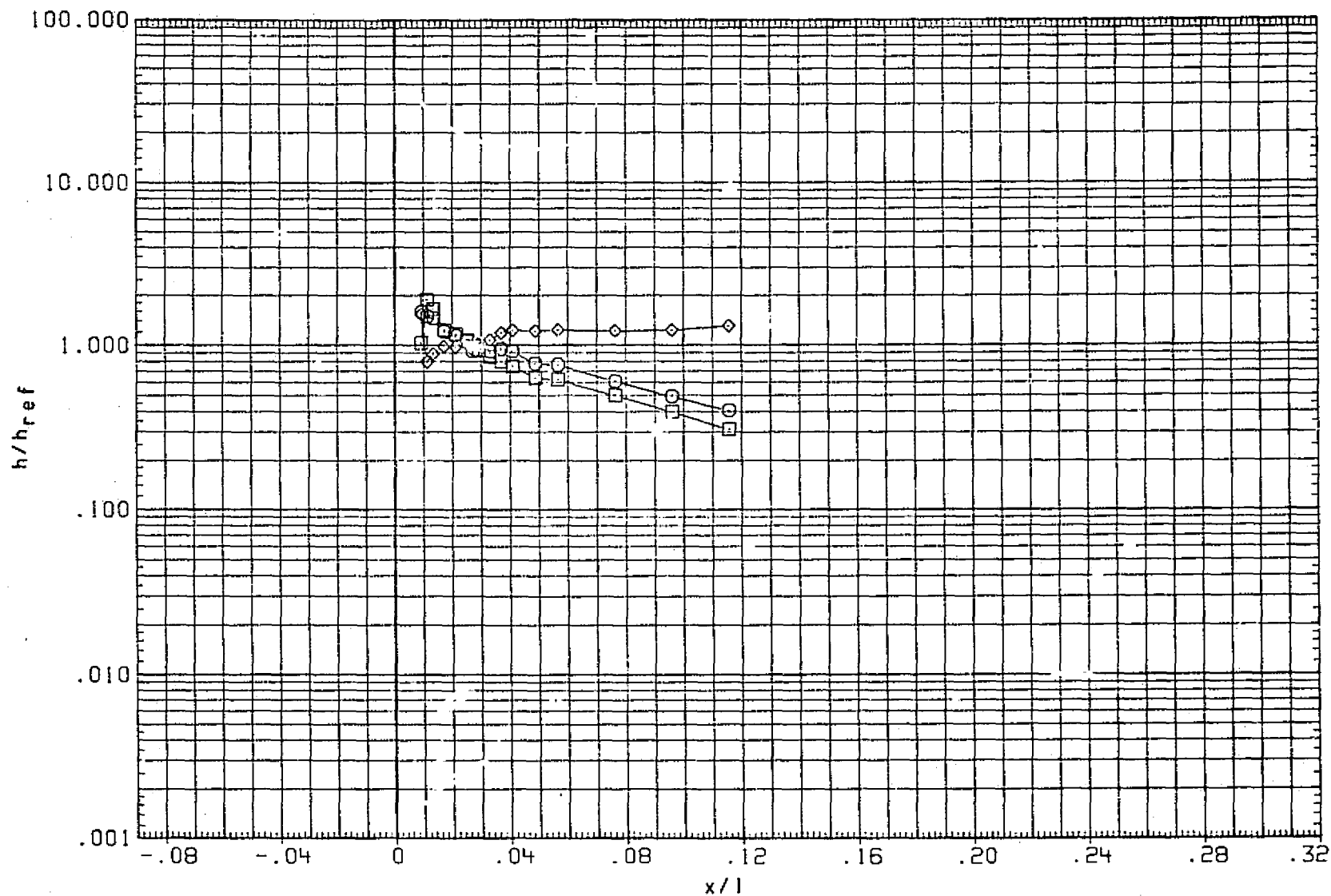


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1224

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

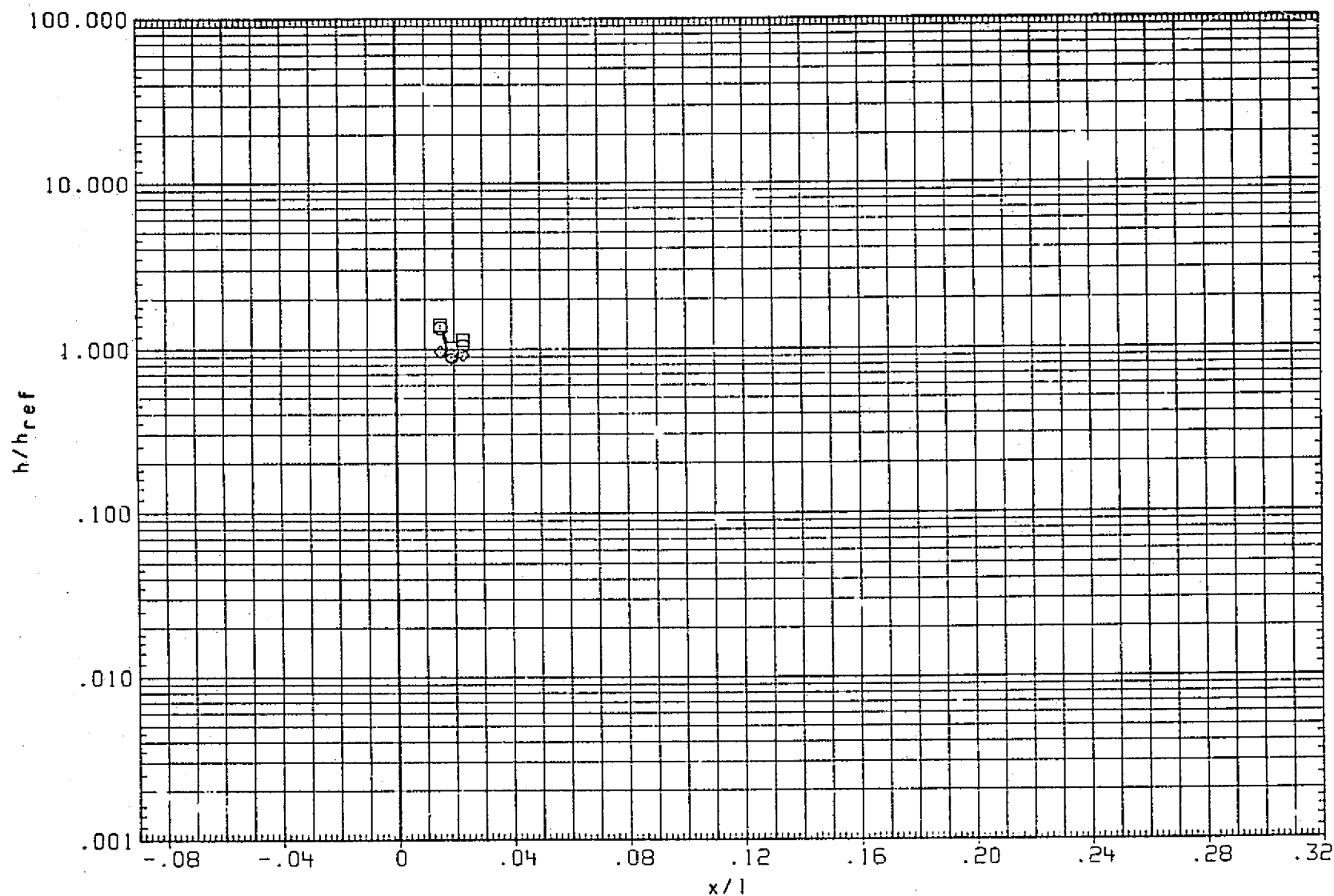


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

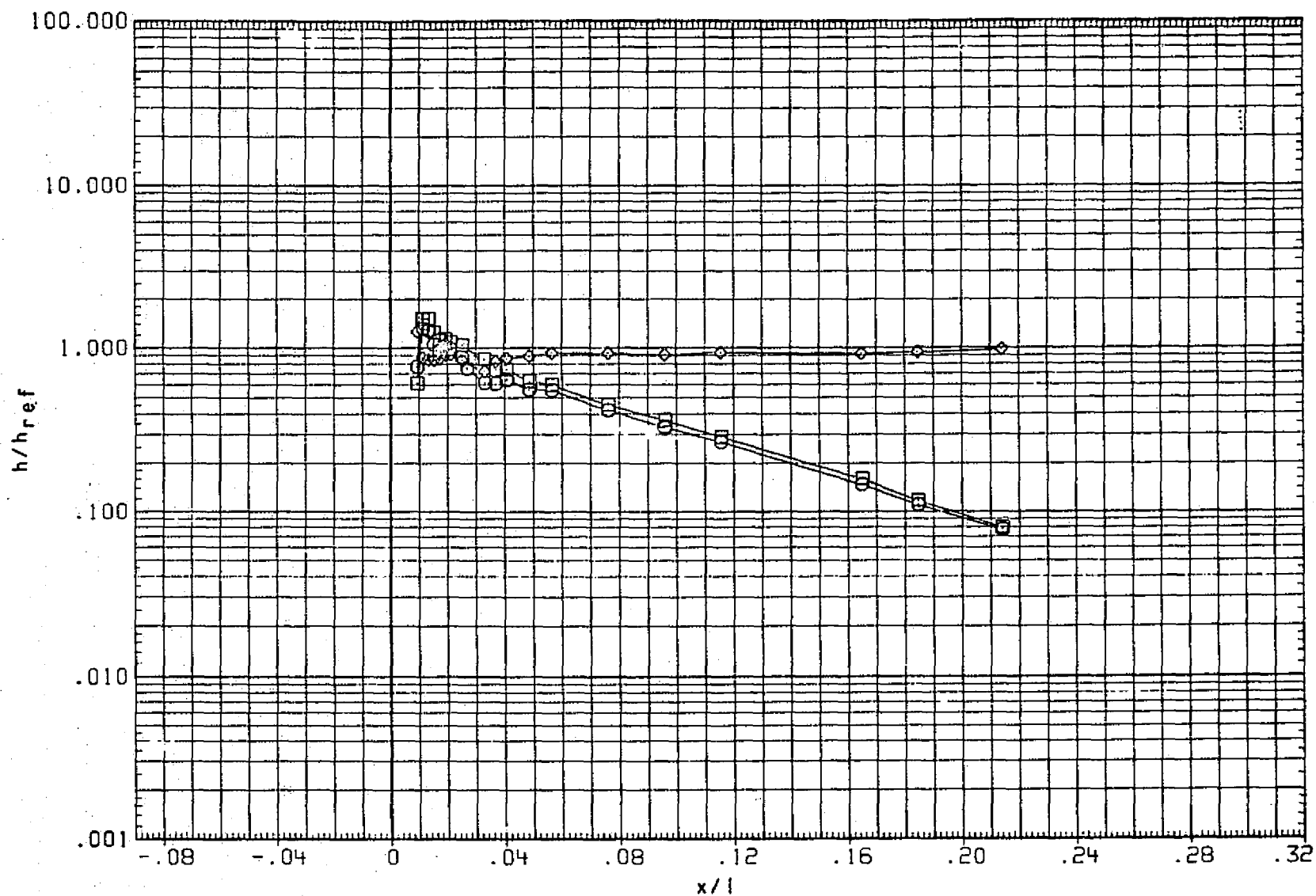


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000	.000	5.000

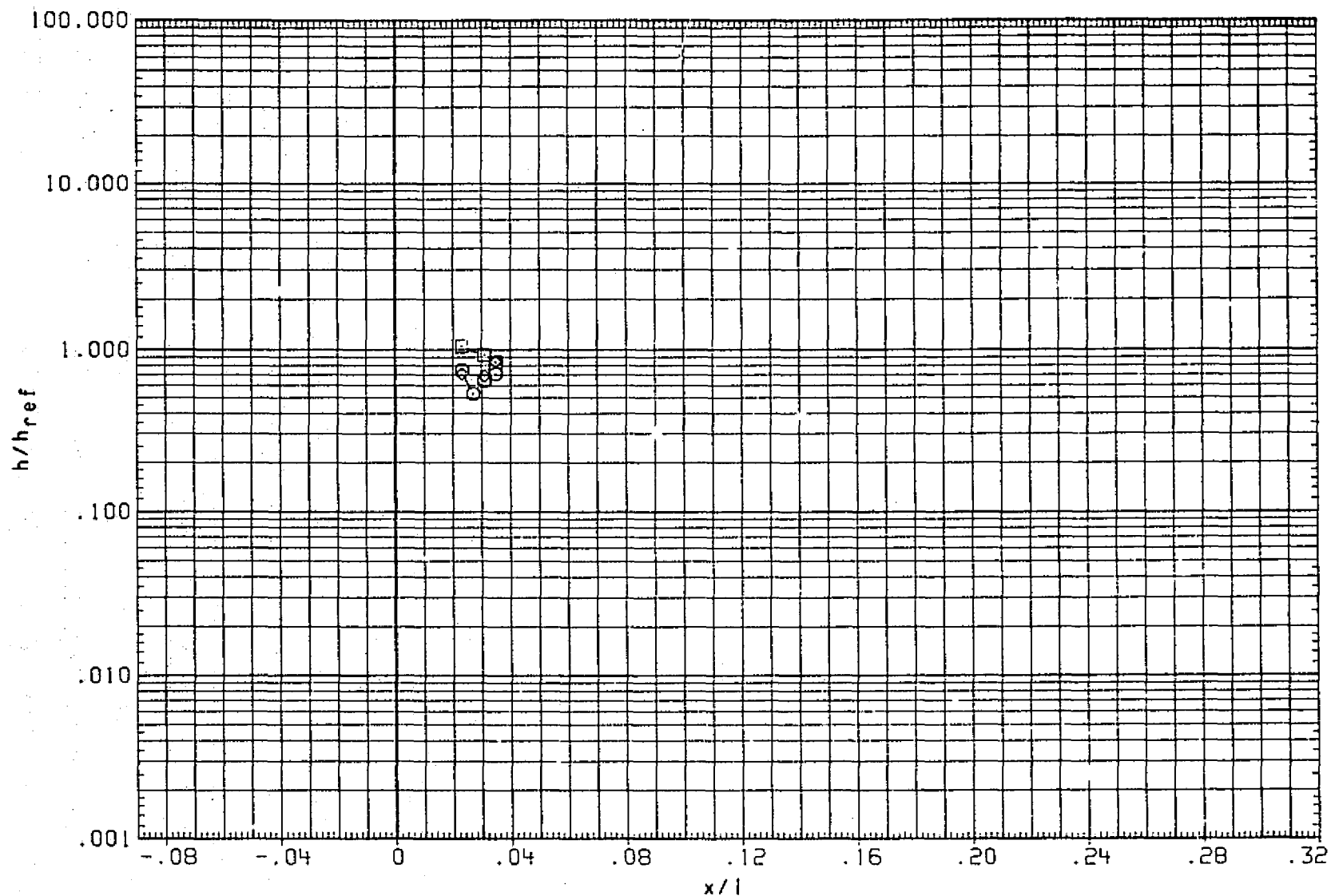


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HT/HU (RNTT09/RNTT20)	.000		5.000

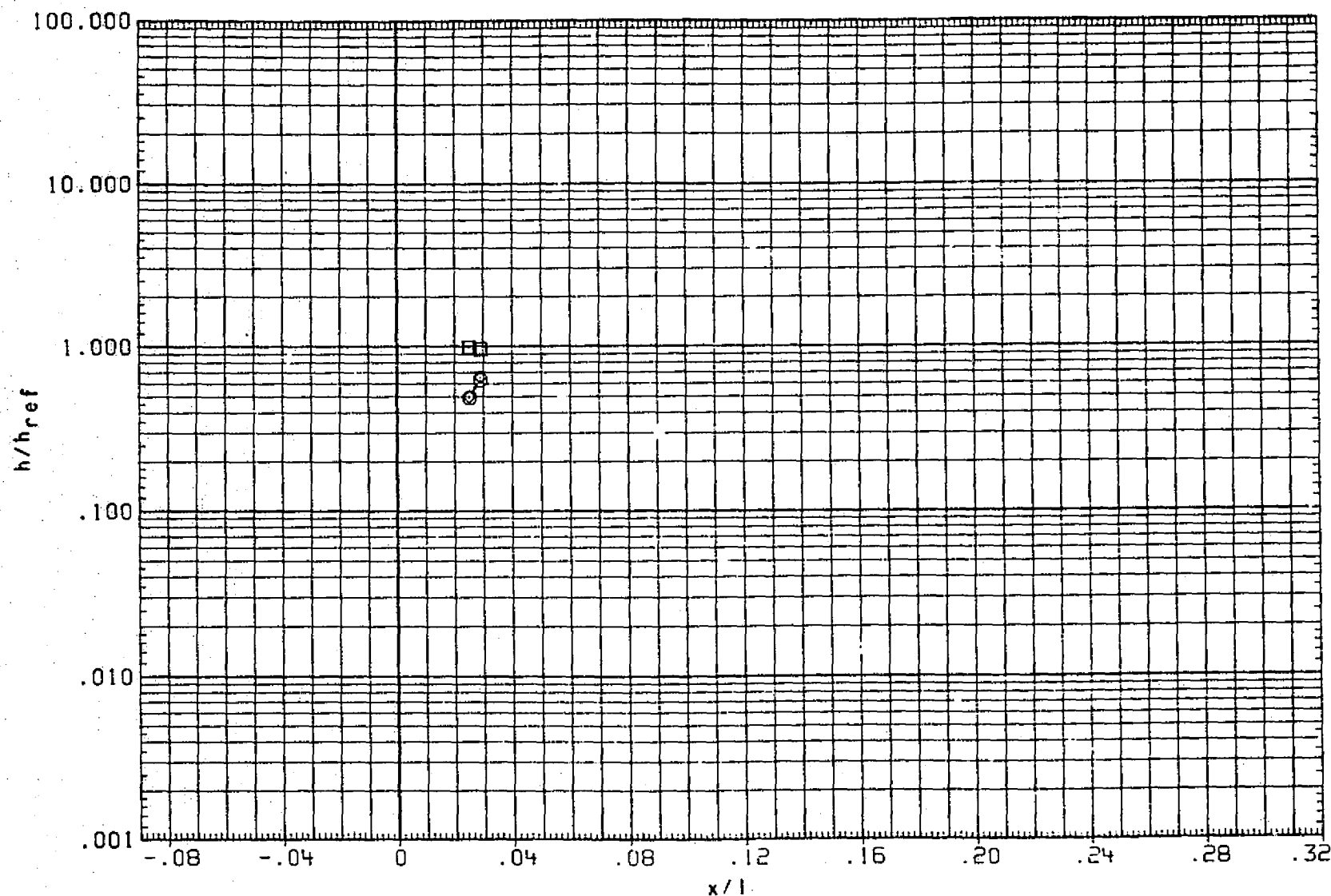


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

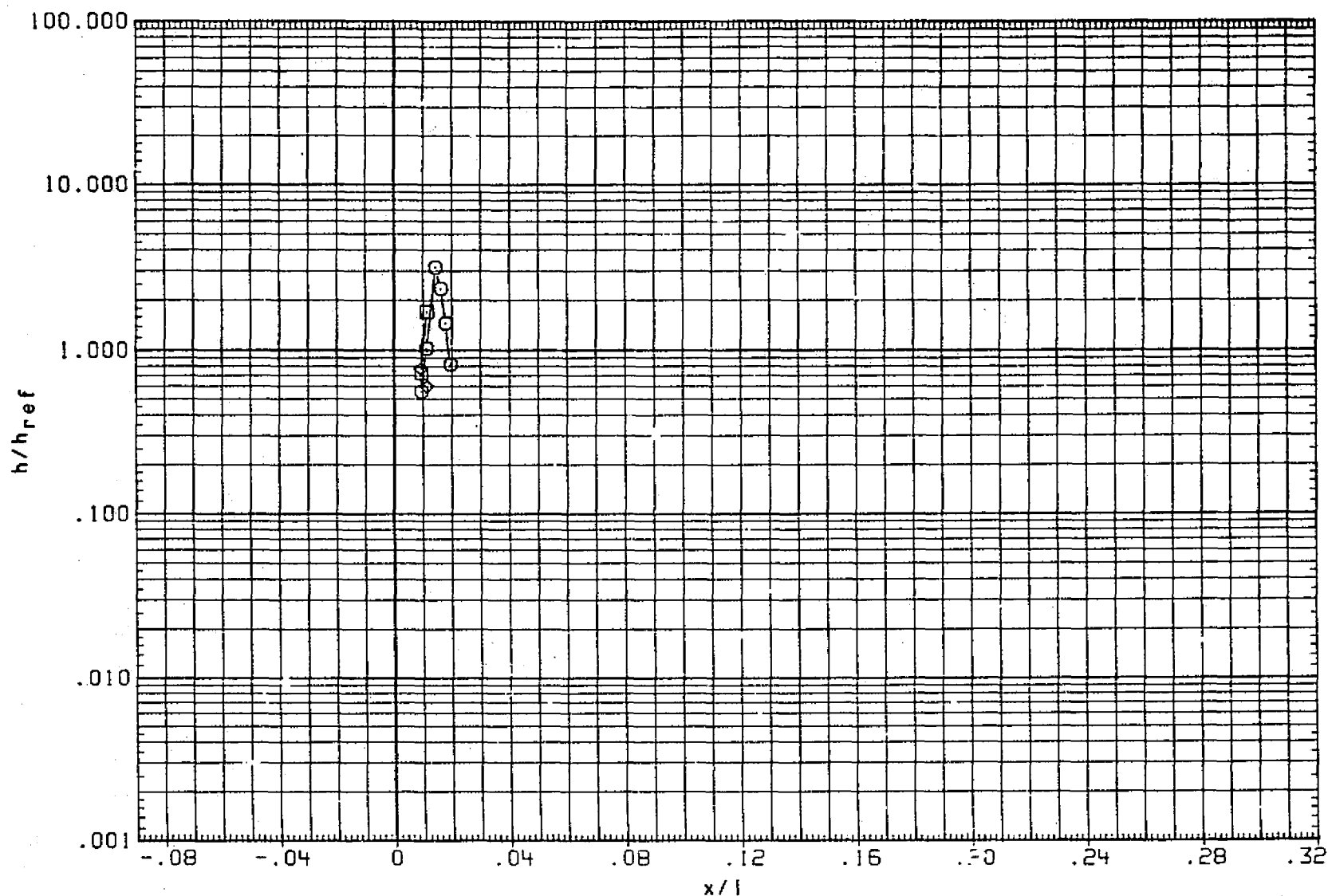


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

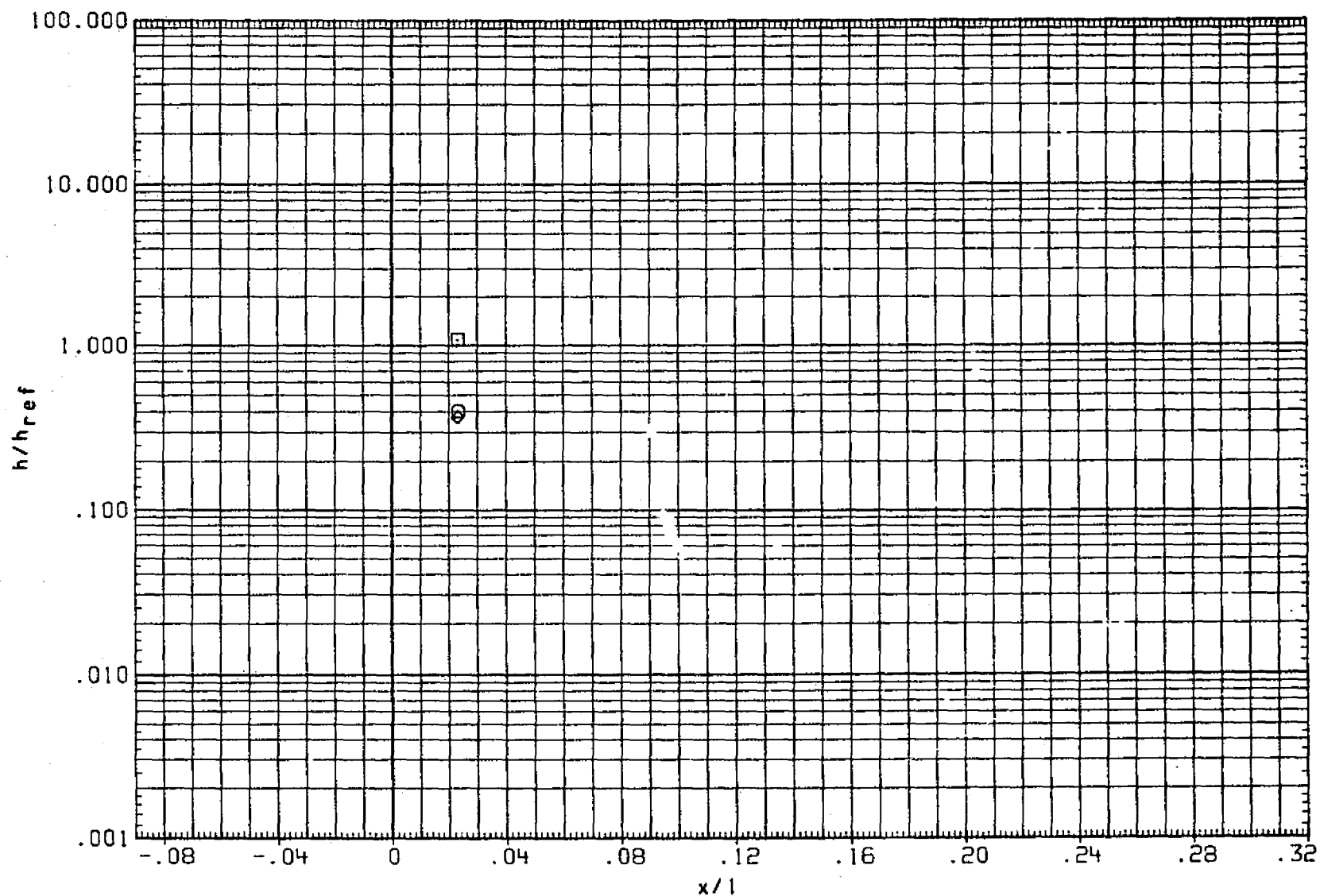


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1230

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

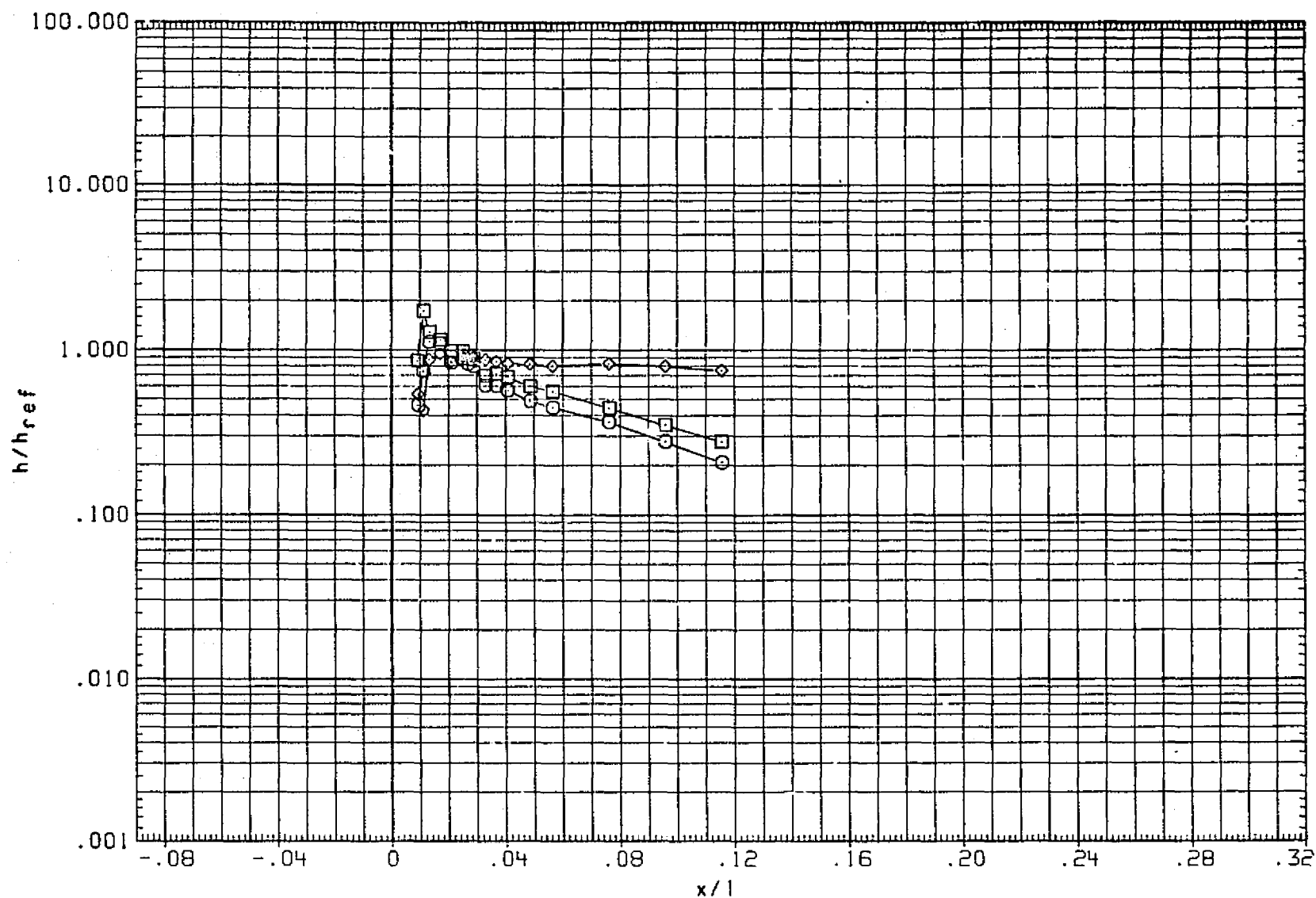


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

PAGE 1231

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)	.000		5.000

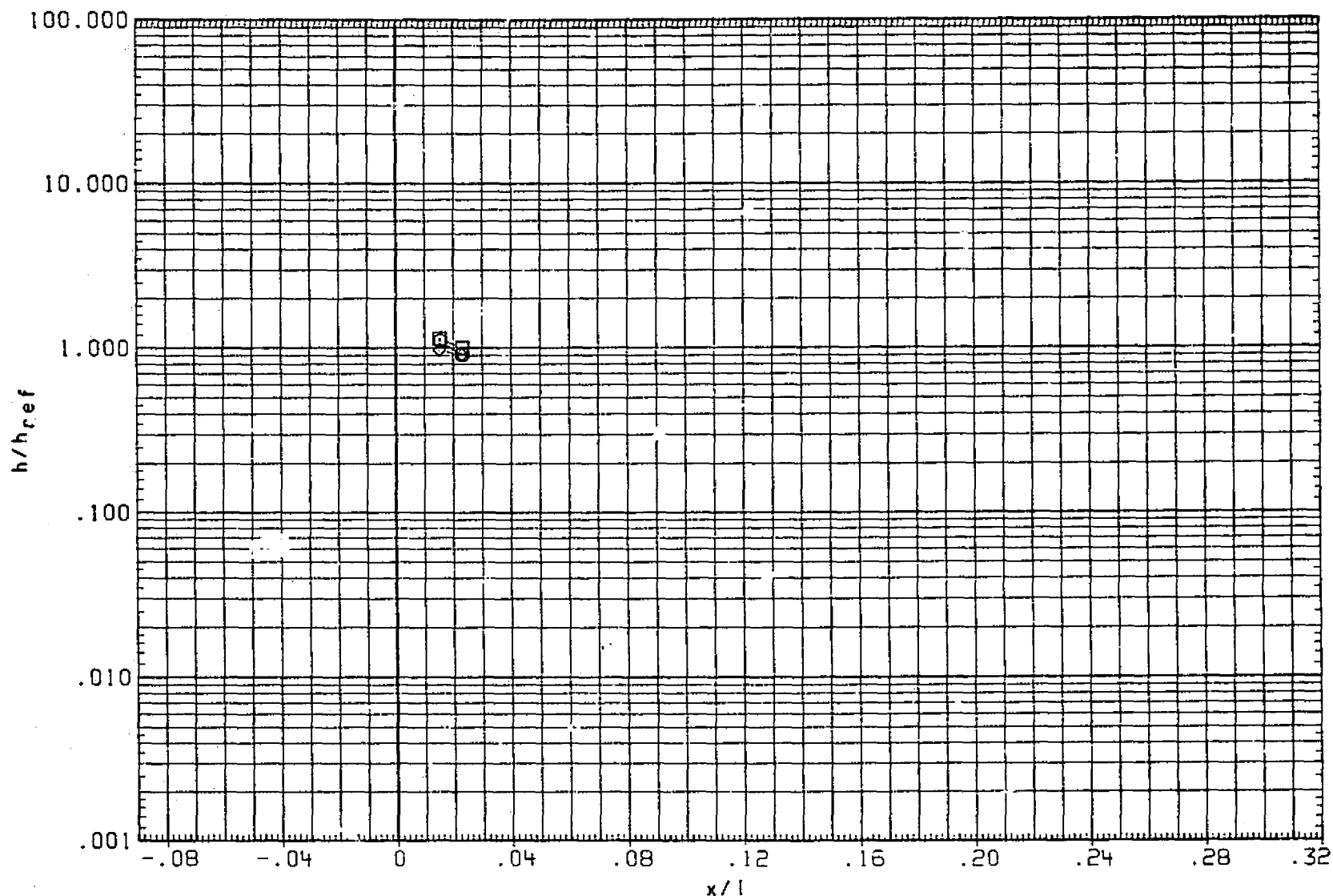


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1232

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

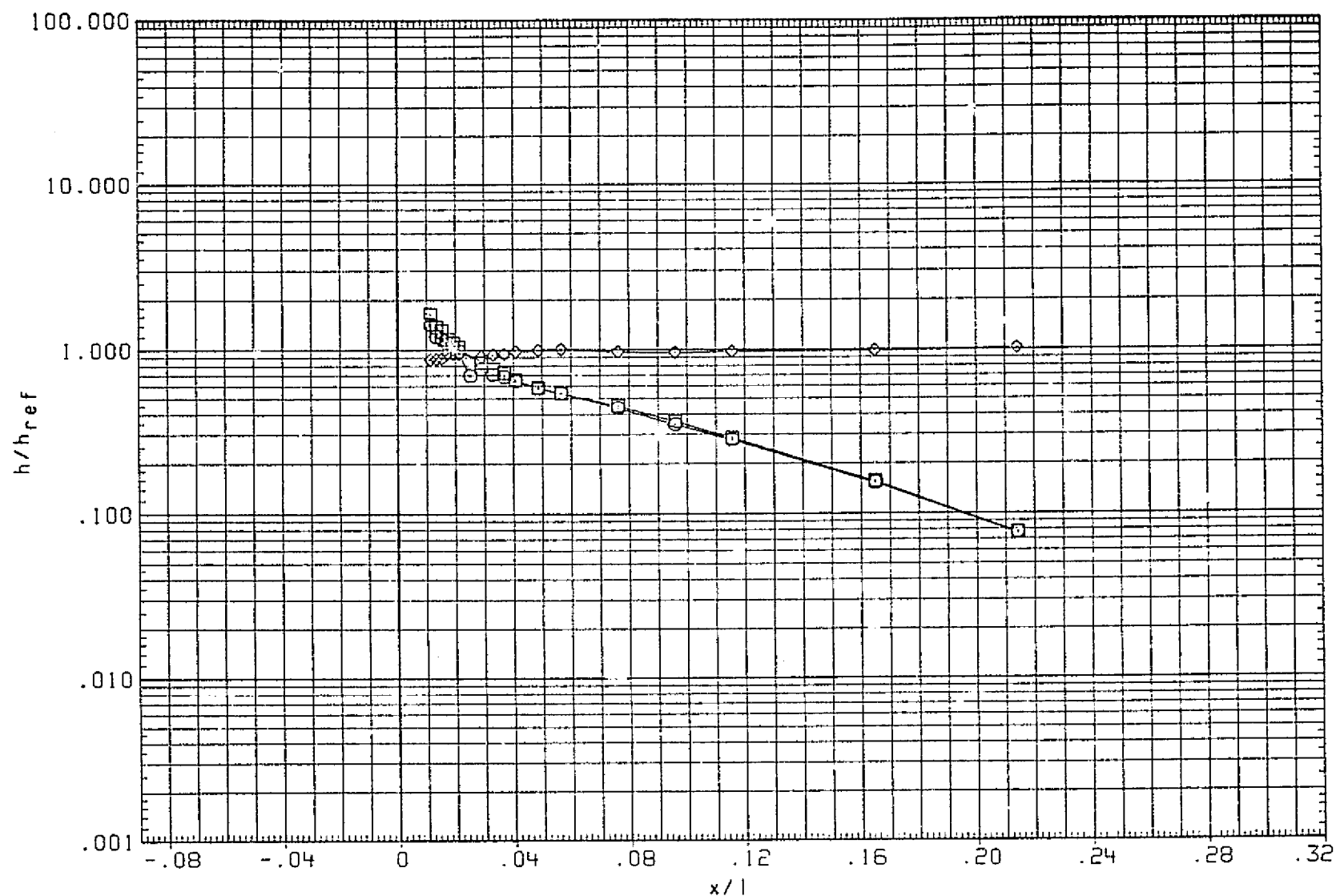


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

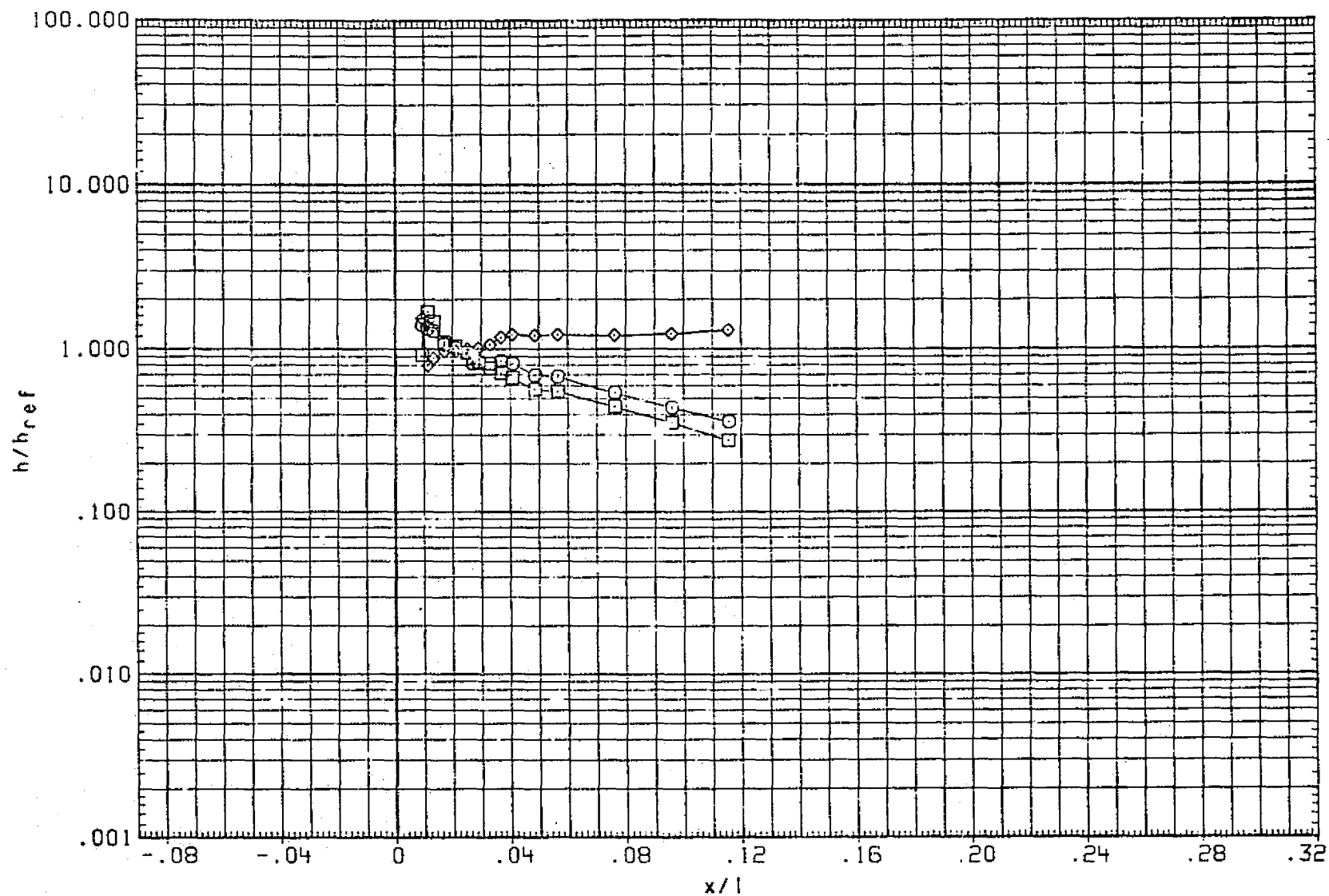


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1234

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

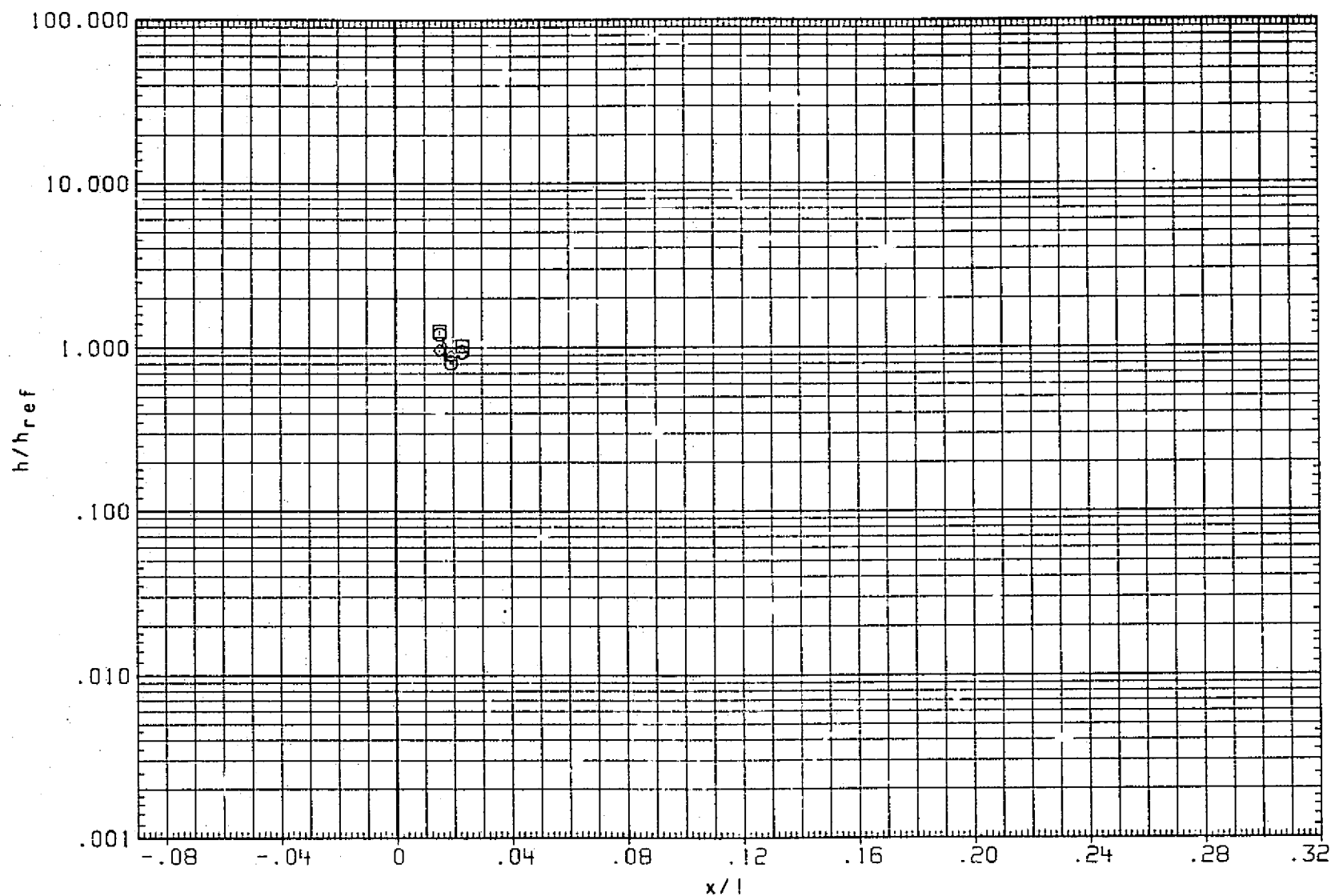


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)	.000		5.000

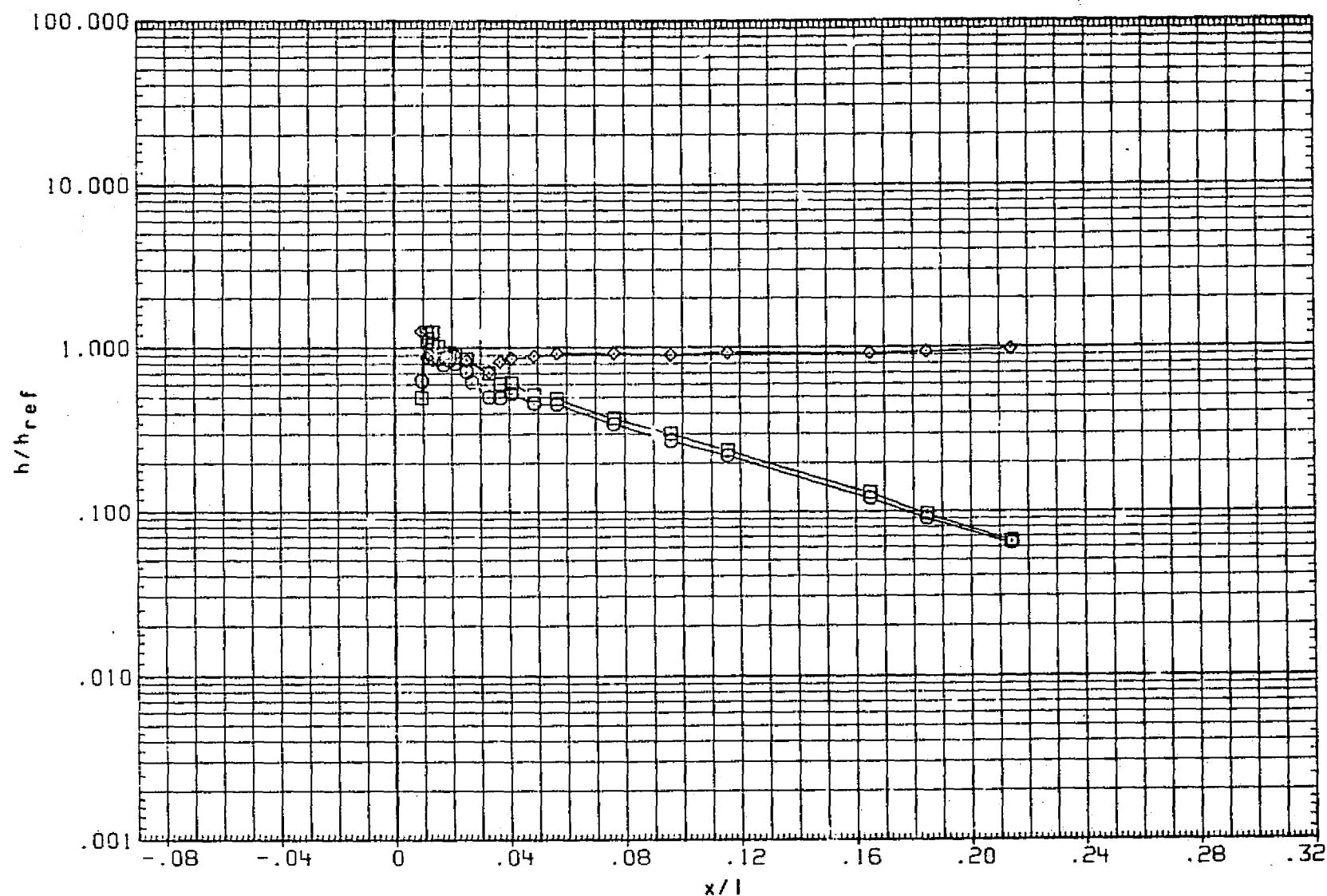


FIG. 15 TANK FOREBODY  $H_1/H_U$  ( $\alpha=0$ ,  $\beta=0$  FOR  $H_U$ )

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)	.000		5.000

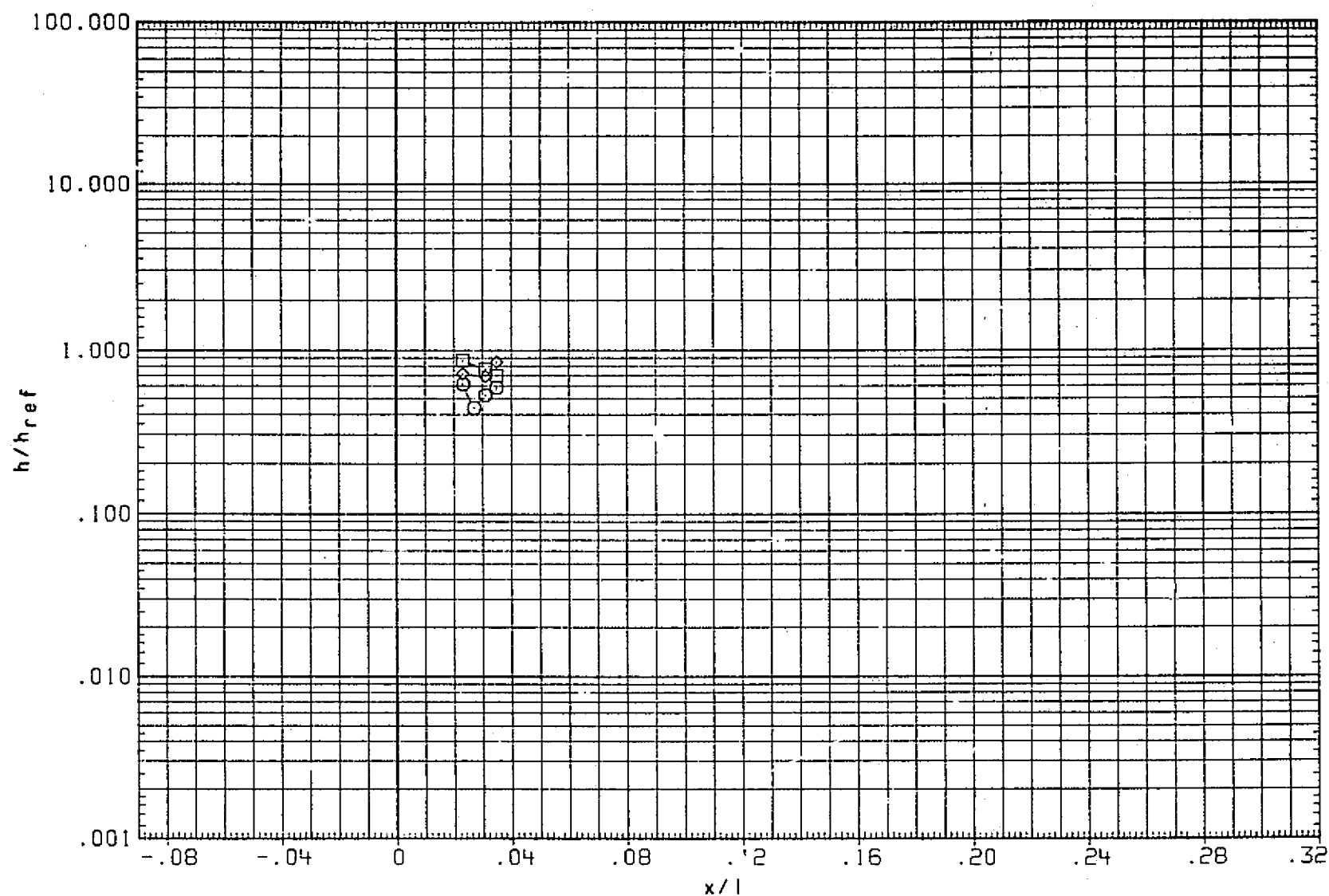


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)

ALPHA	BETA	RN/L
.000	-6.000	5.000
.000	.000	5.000
.000		5.000

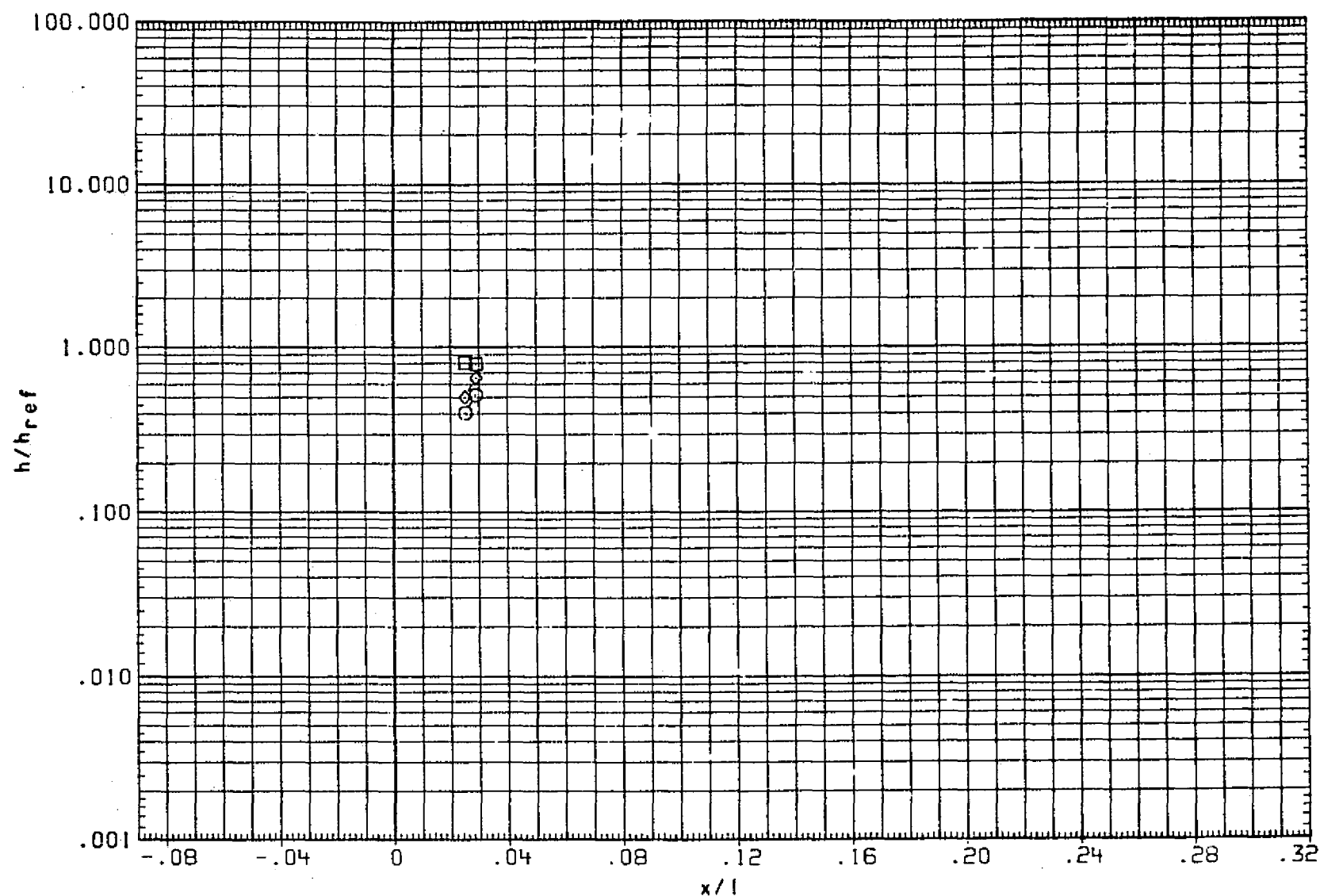


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1238

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

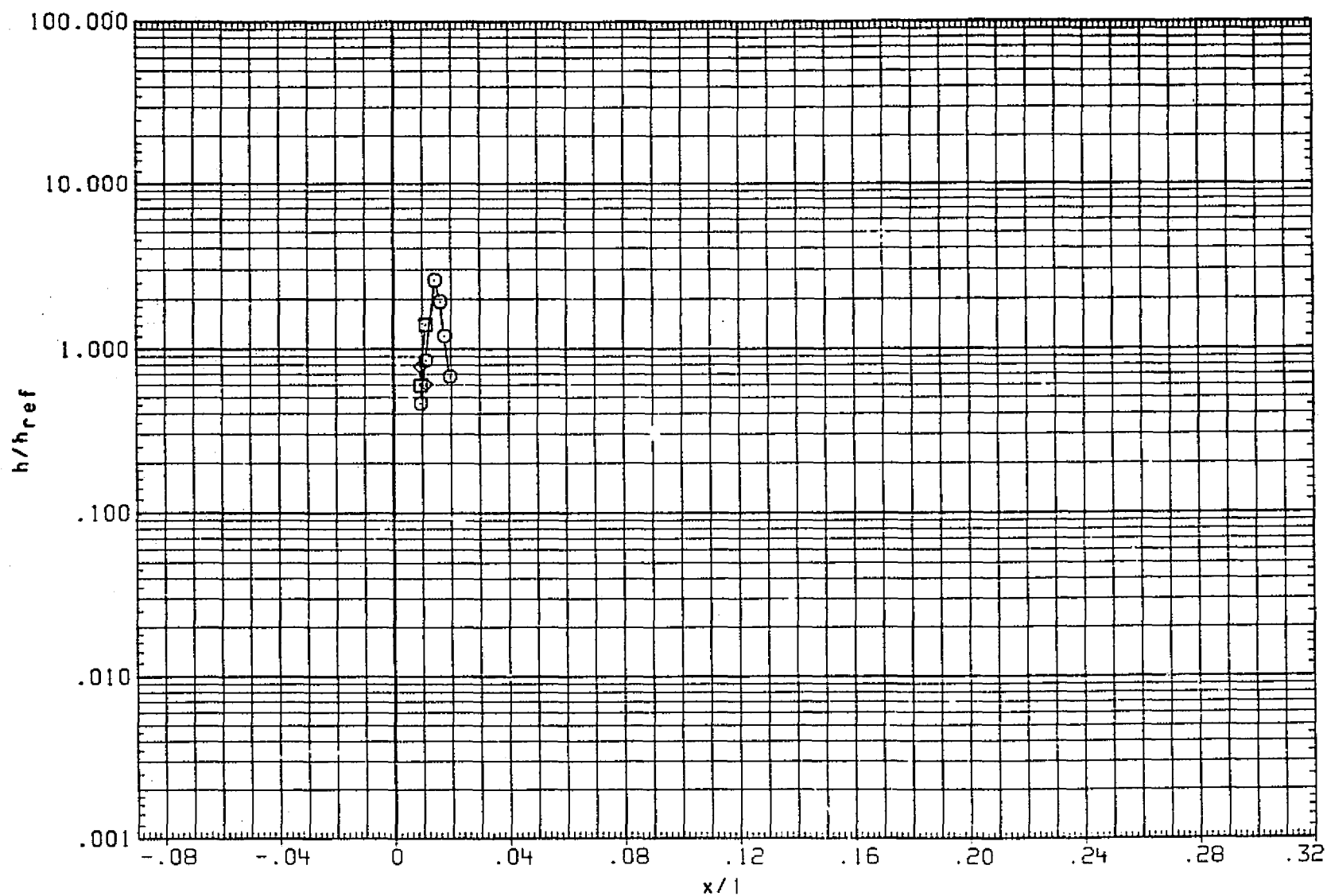


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

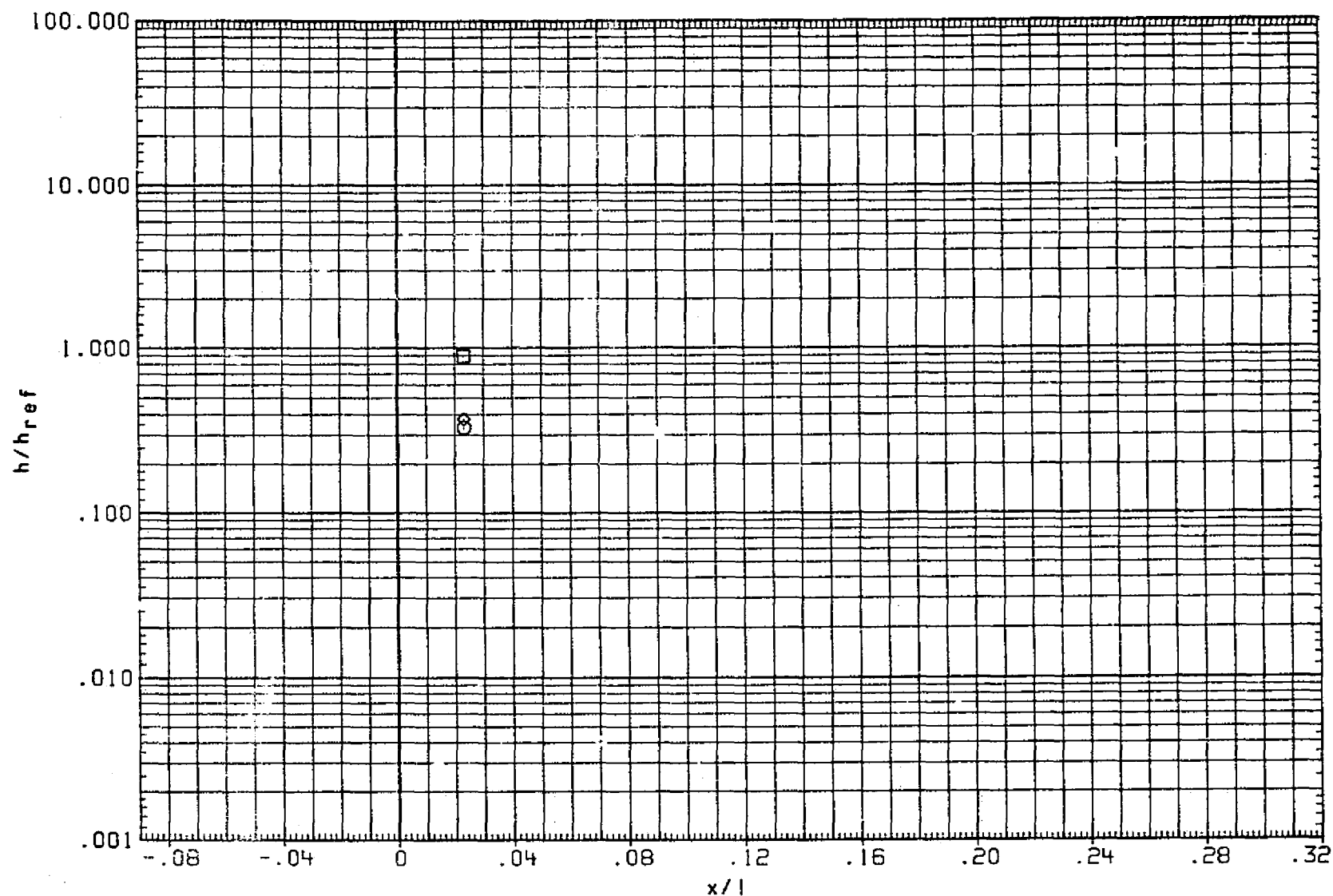


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1240

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT09)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-715(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT09)	◇	ARC3.5-715(FH14) HI/HU (RNTT09/RNTT20)

ALPHA	BETA	RN/L
.000	-6.000	5.000
.000	.000	5.000
.000	.000	5.000

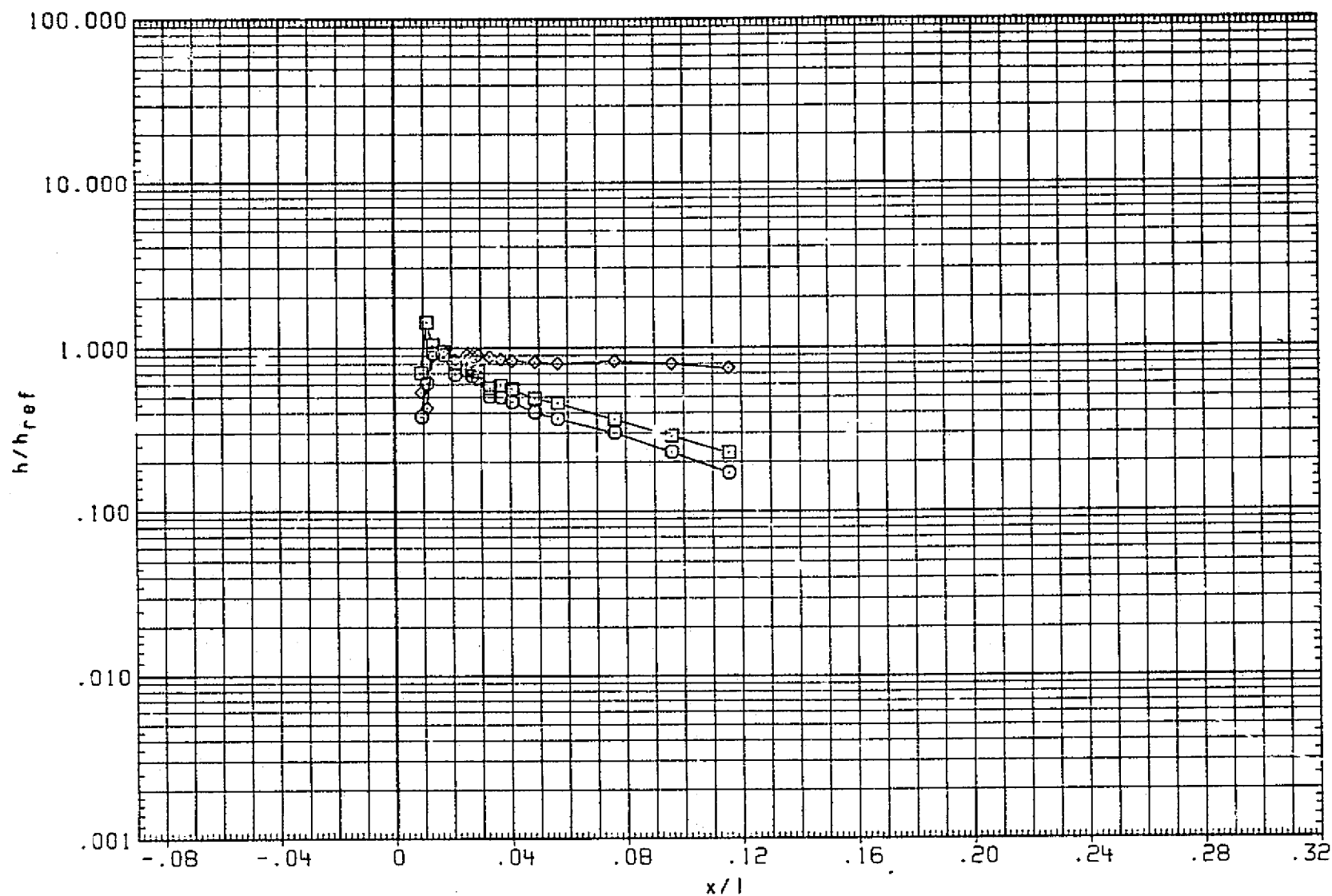


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

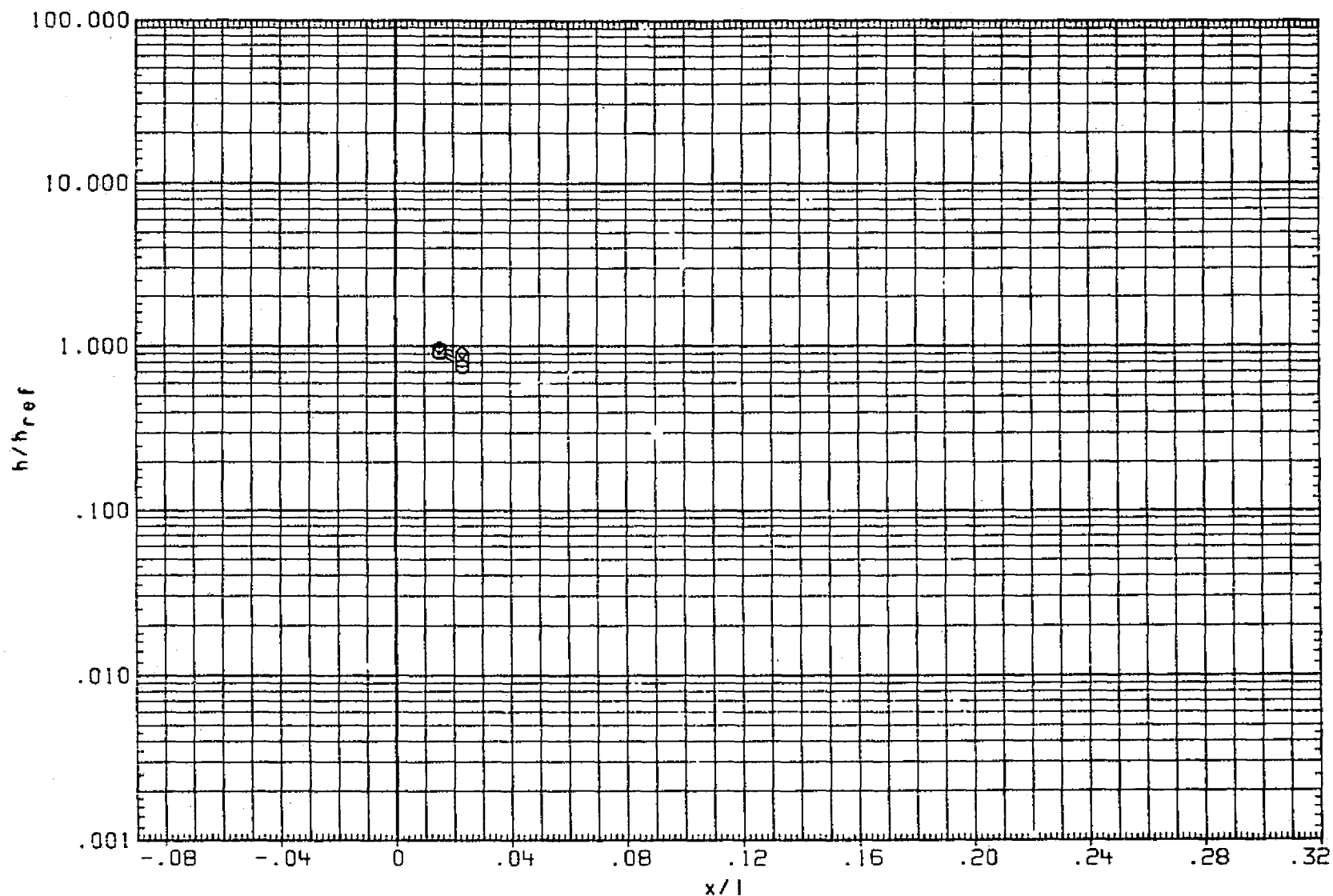


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1242

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000	.000	5.000

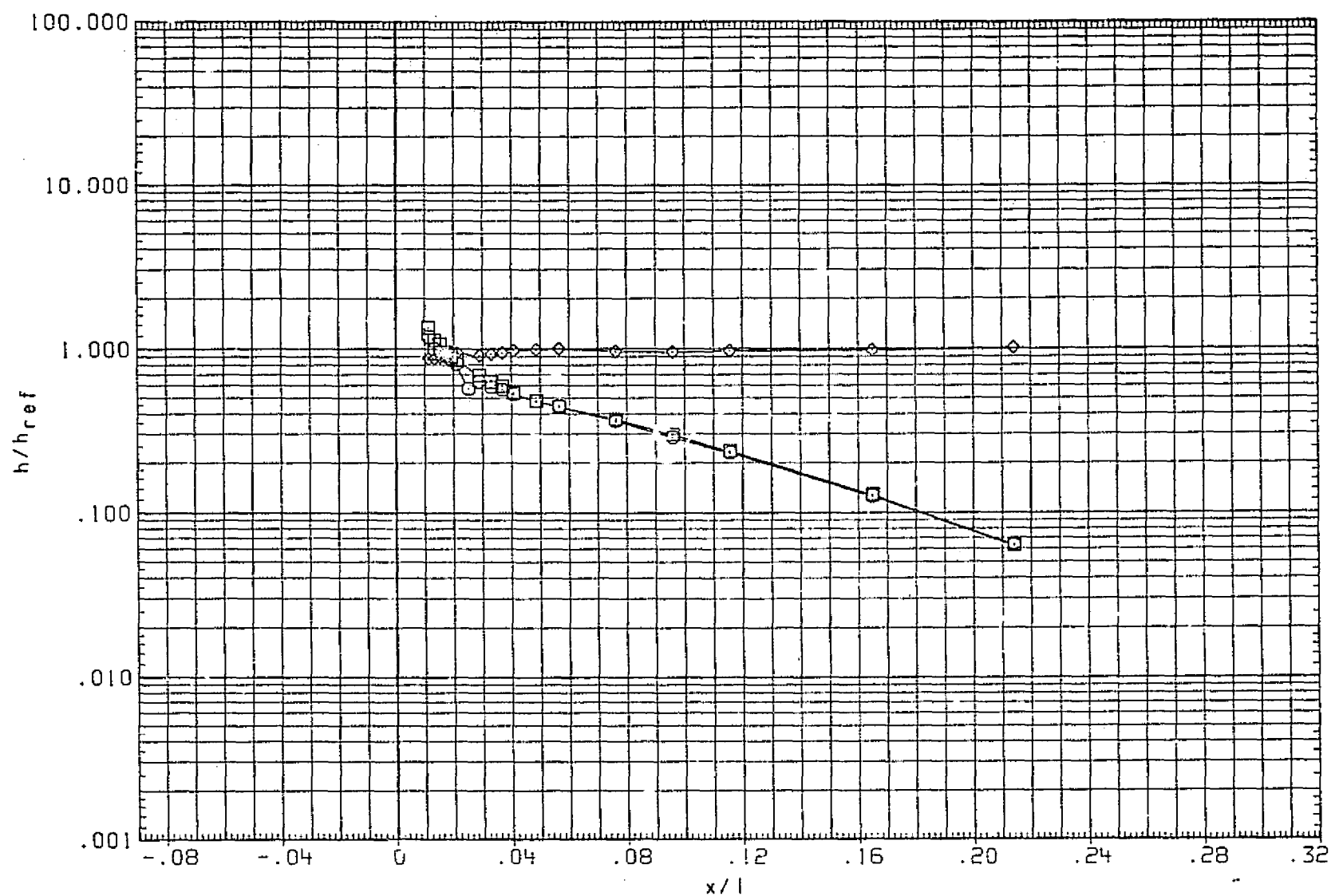


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE+PROTUS	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14) 10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) H1/HU (RNTT09/RNTT20)	.000		5.000

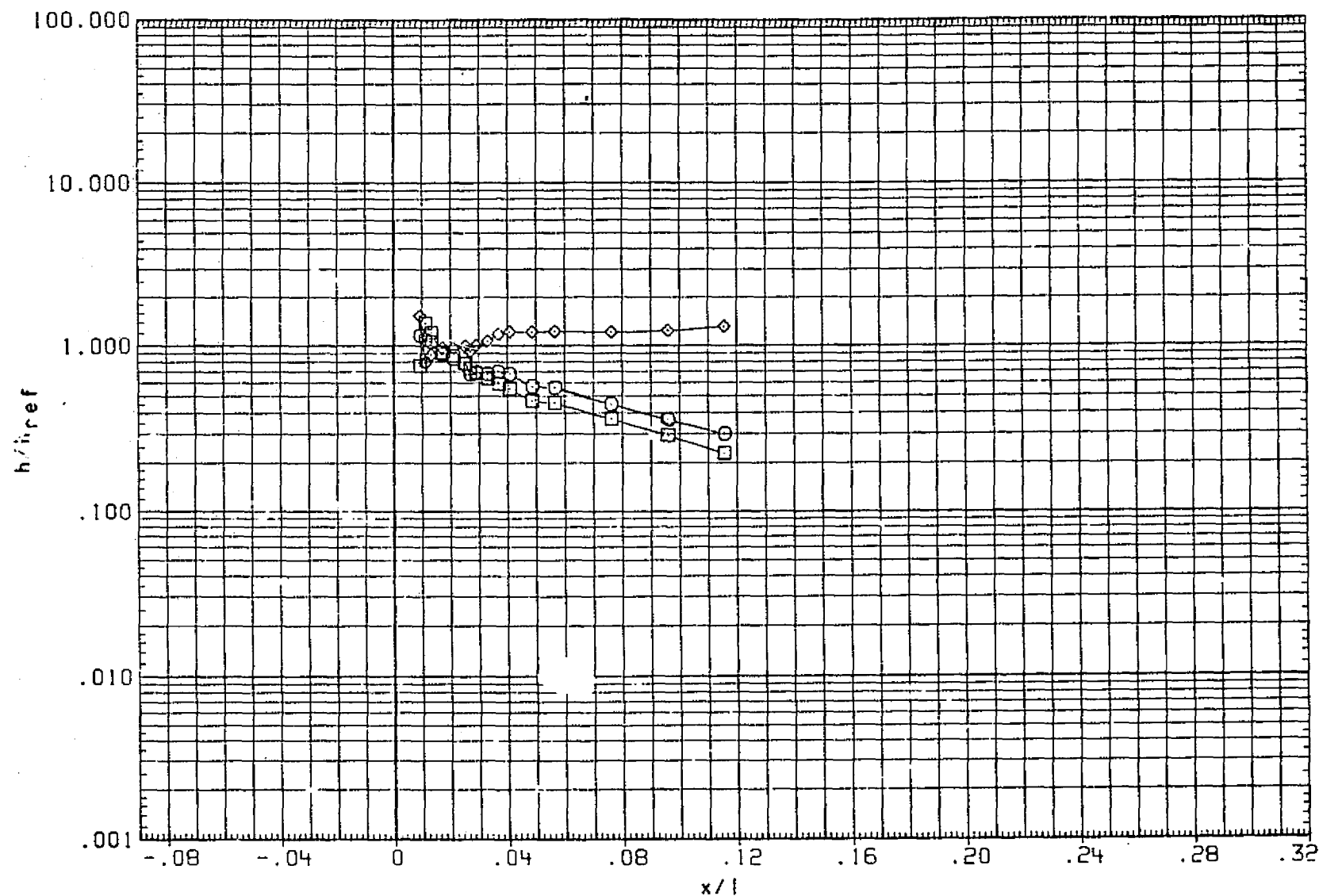


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1244

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT09)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT09)	◇	ARC3.5-215(FH14) HI/HU (RNTT09/RNTT20)	.000		5.000

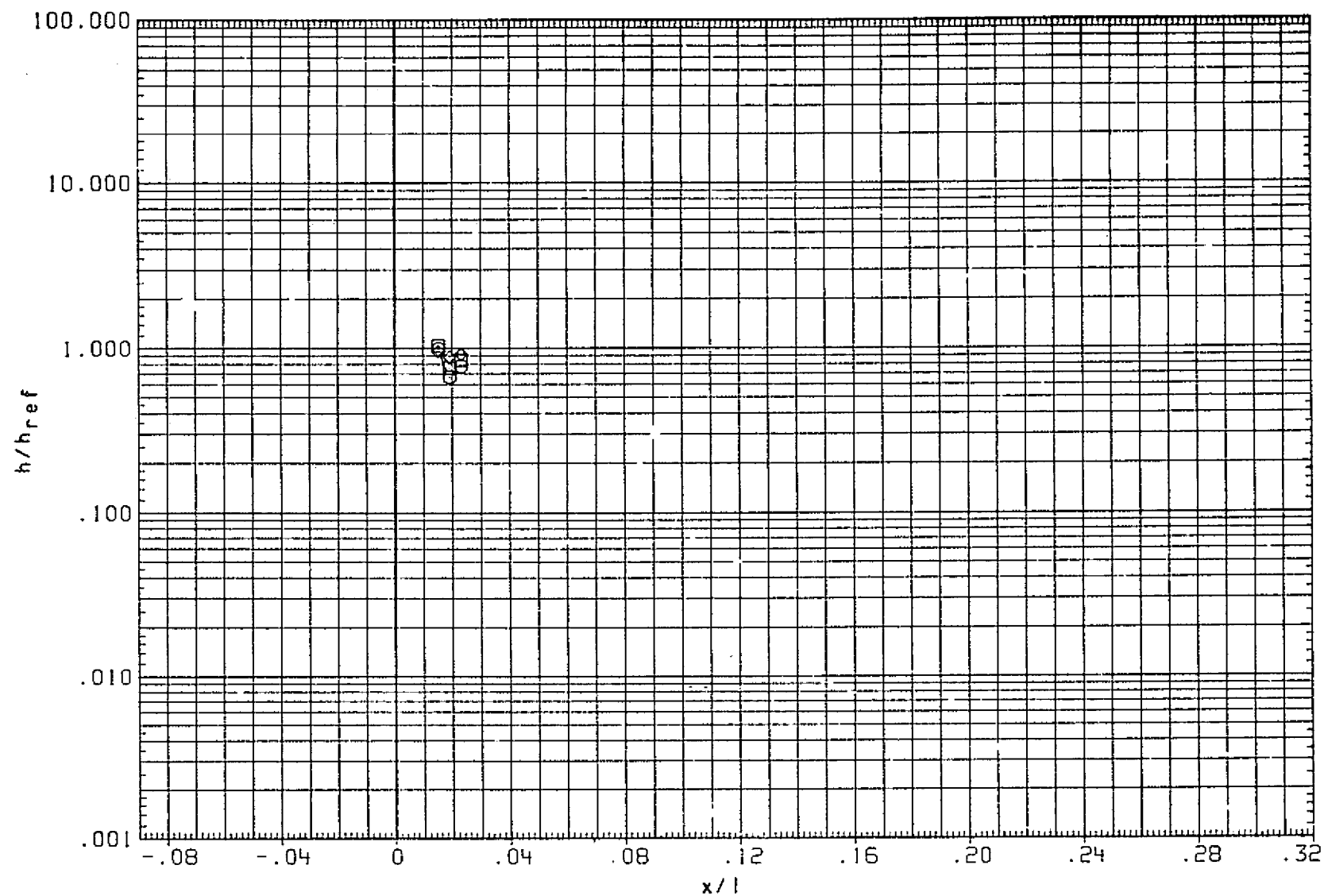


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000	.000	5.000

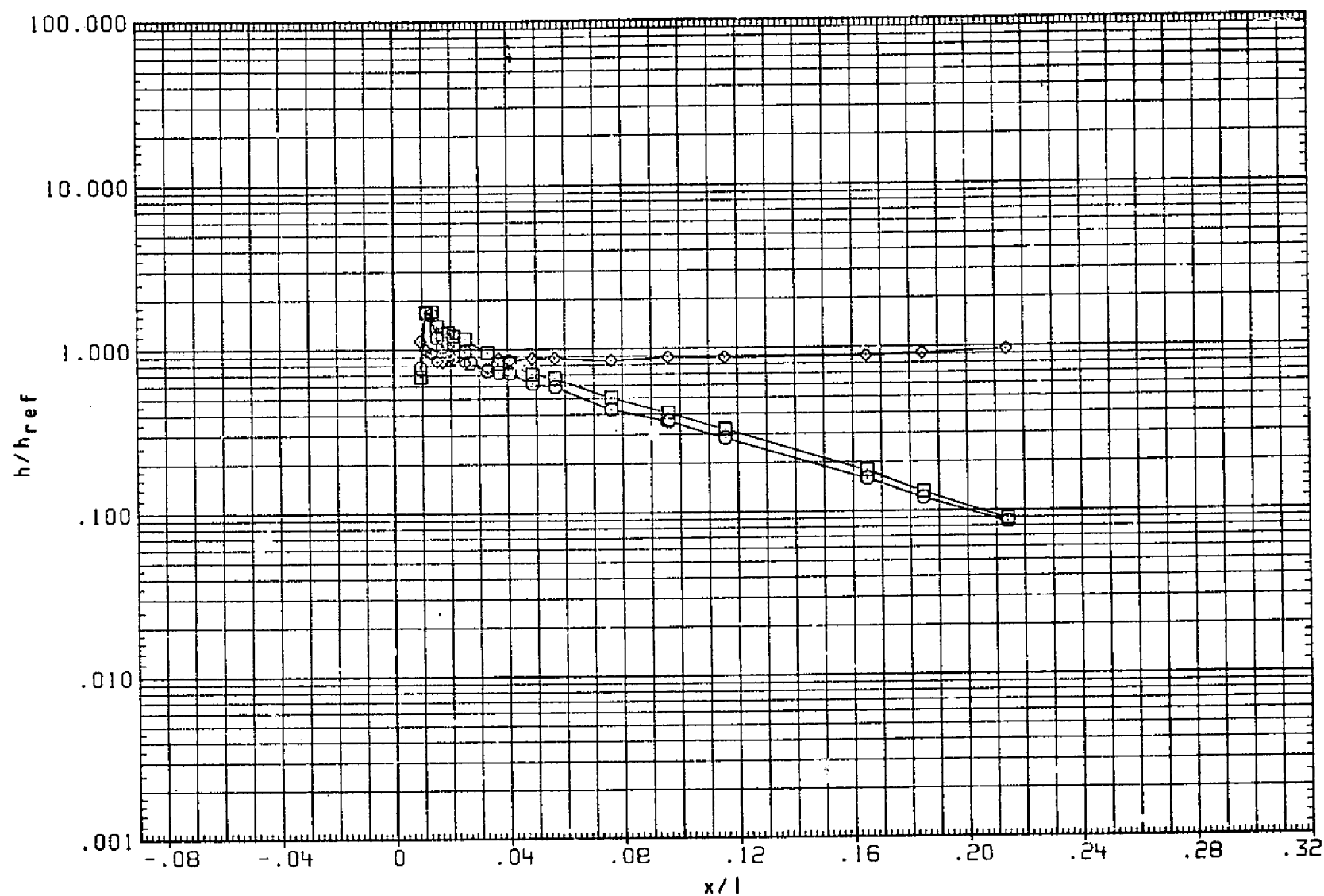


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 .BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT20)	.000		5.000

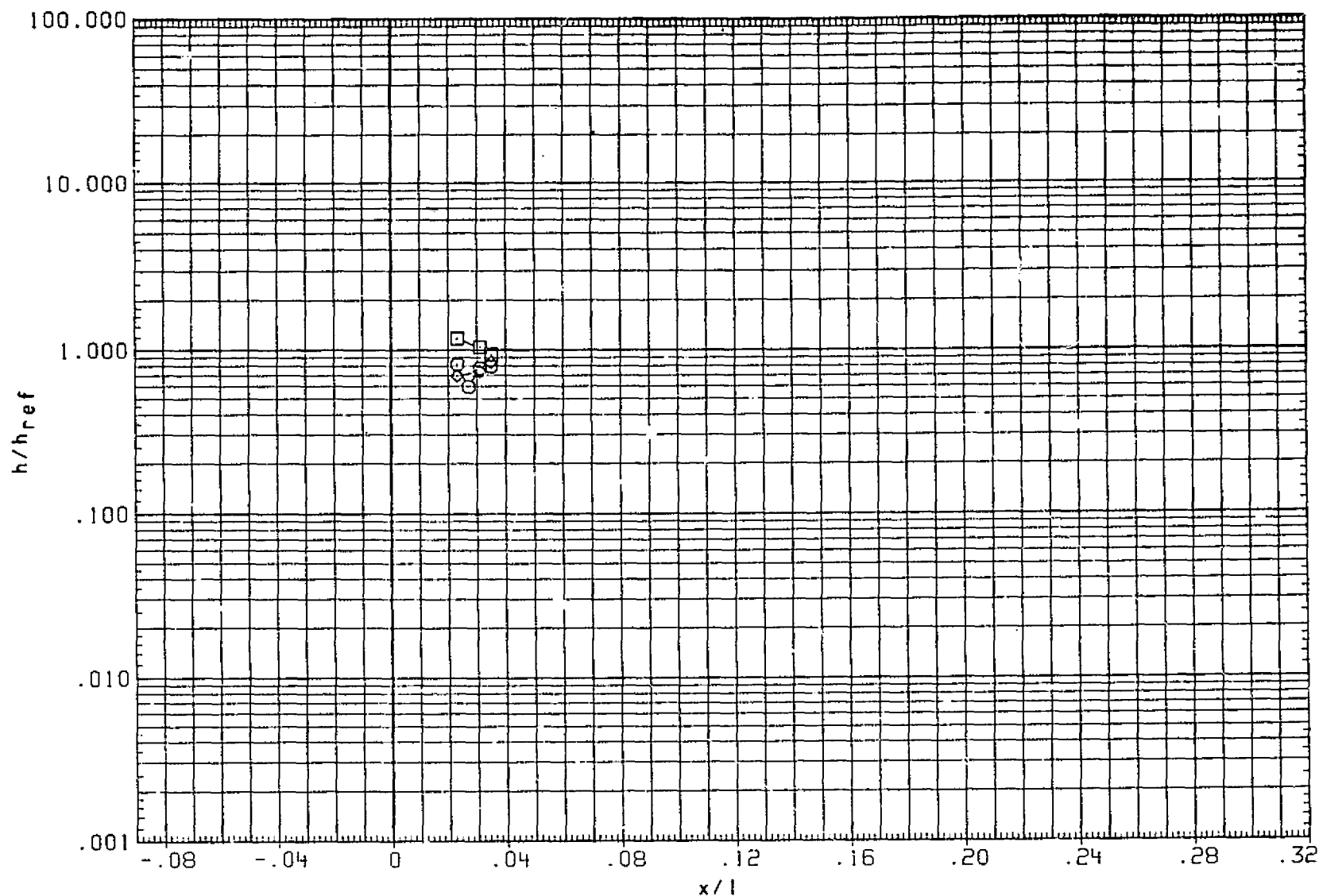


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

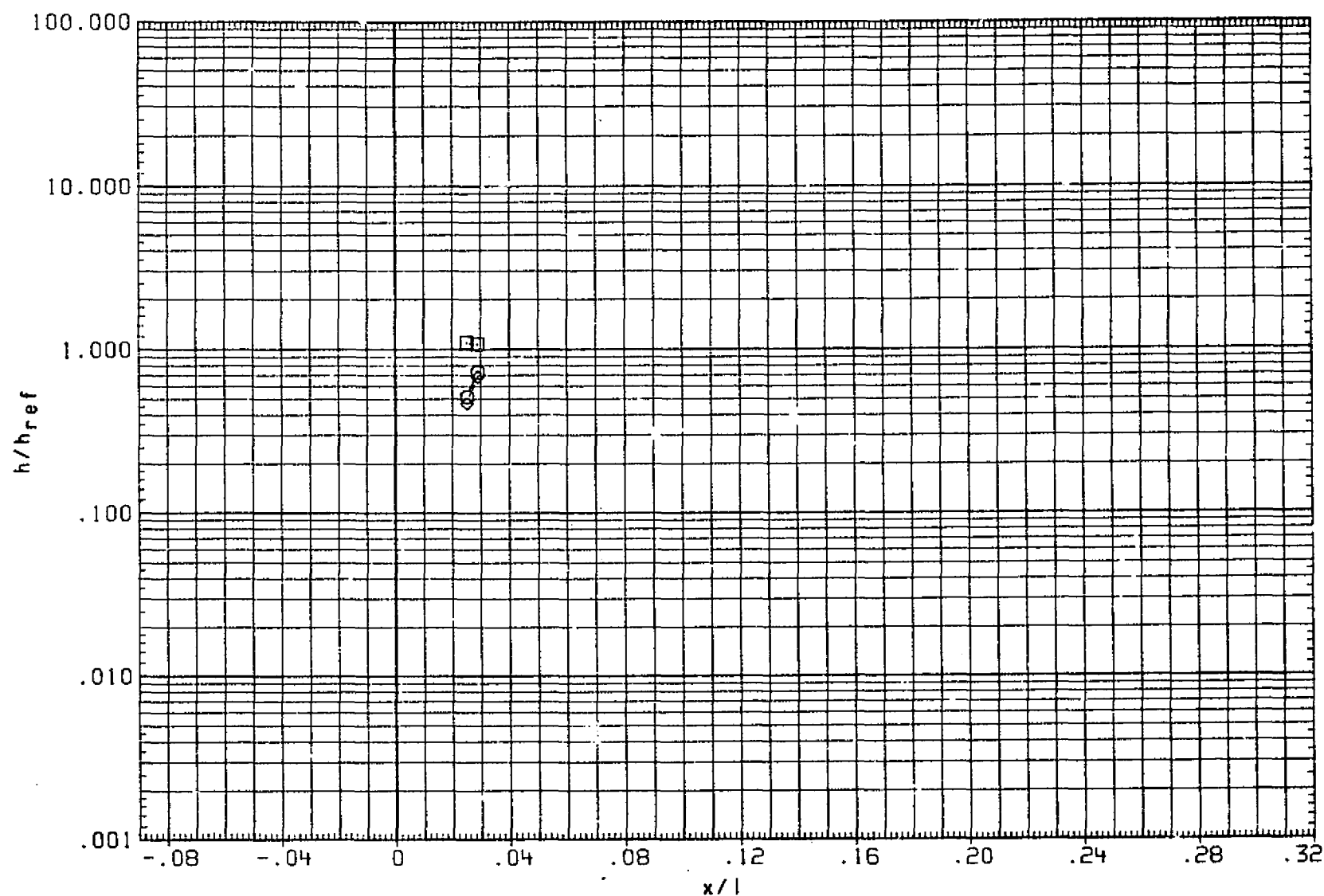


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1248

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

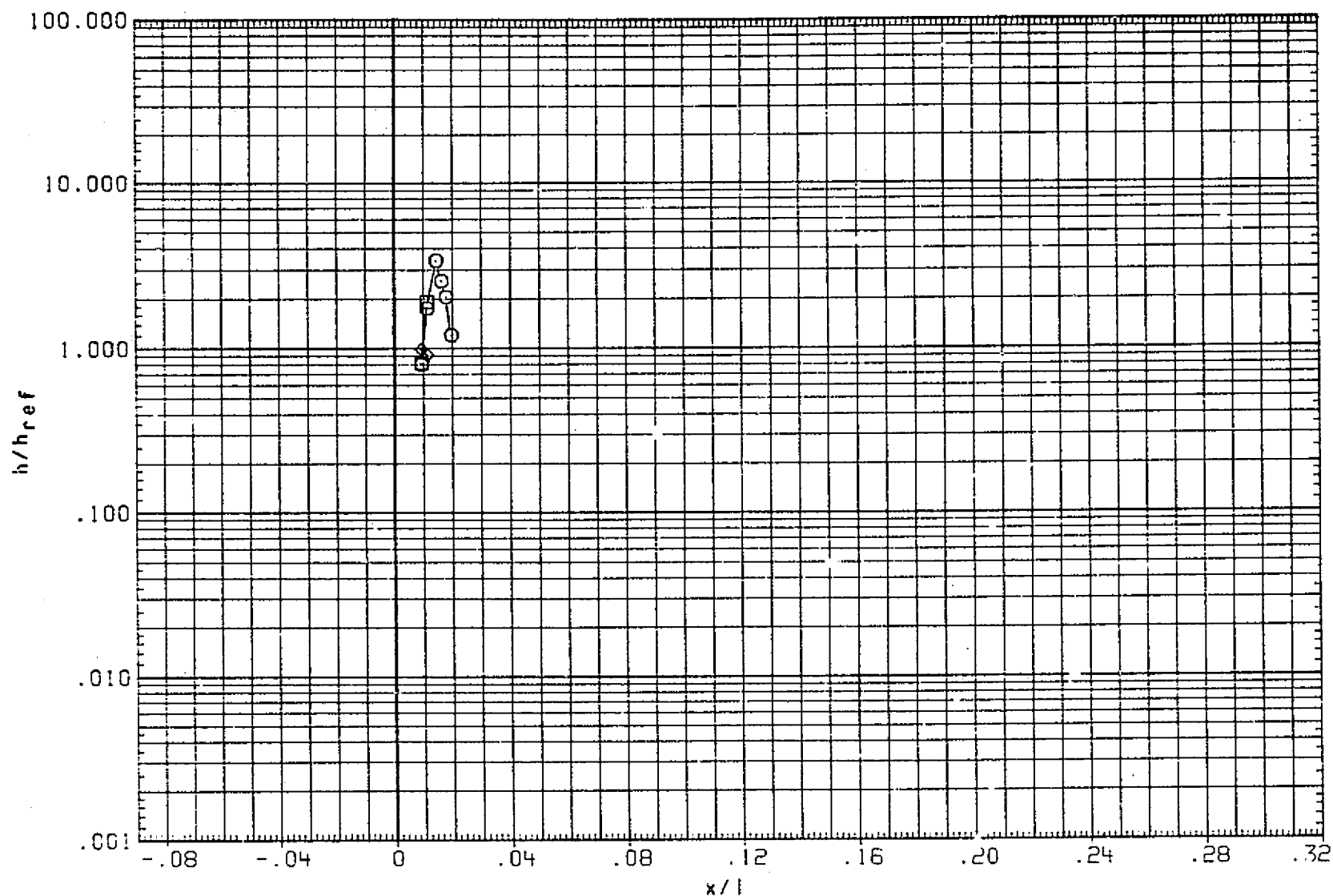


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	hN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTJB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000	.000	5.000

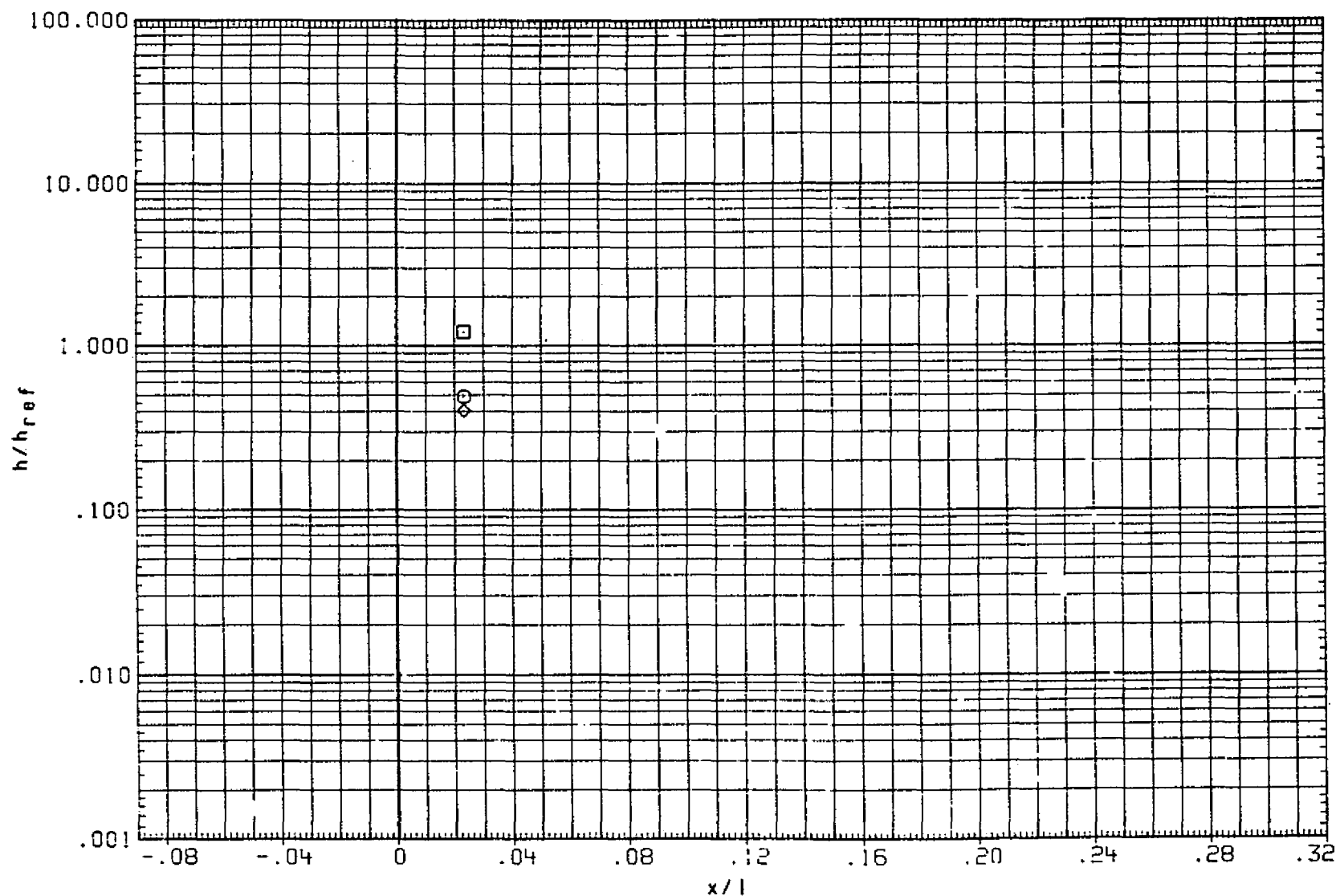


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1250

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000	.000	5.000

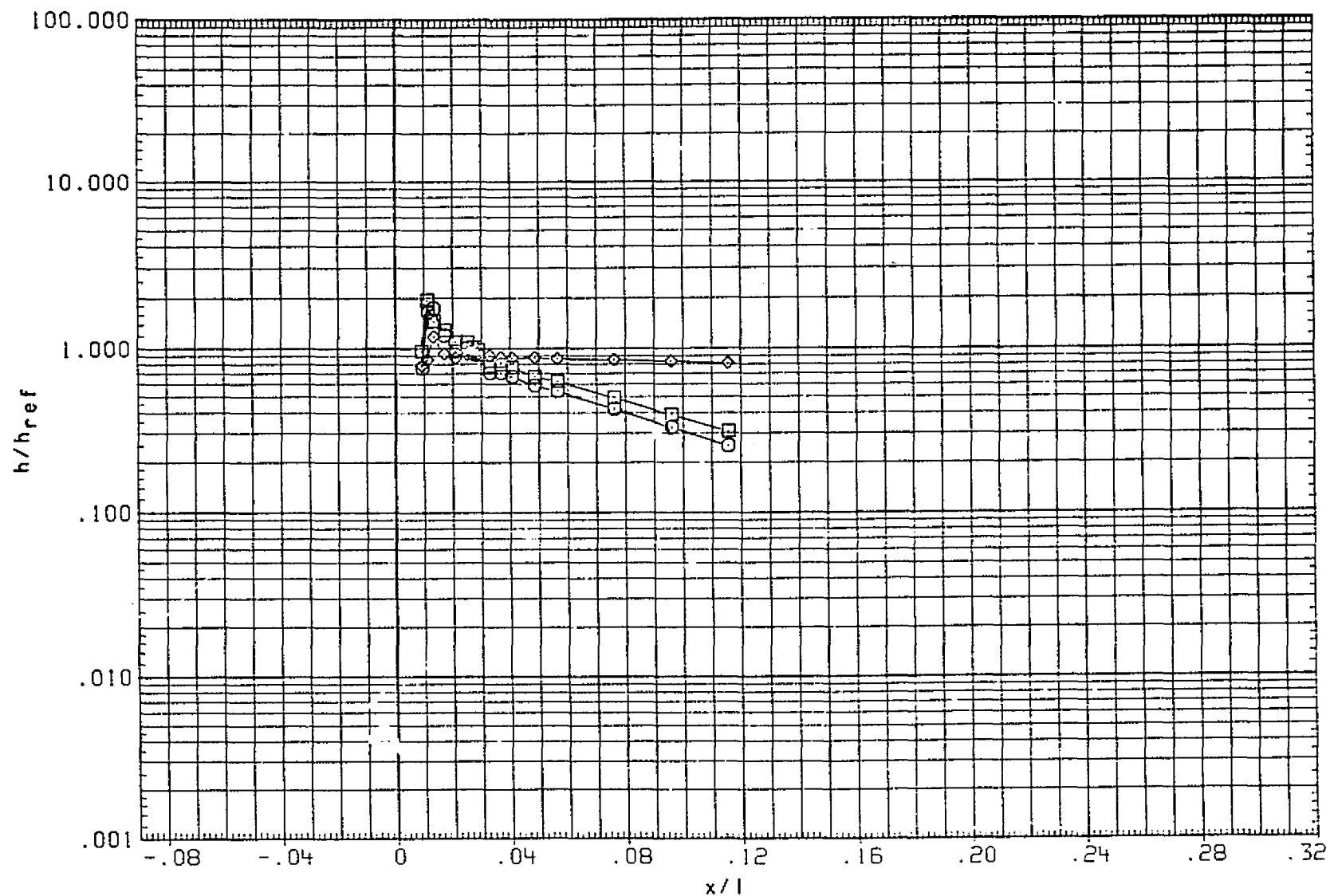


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

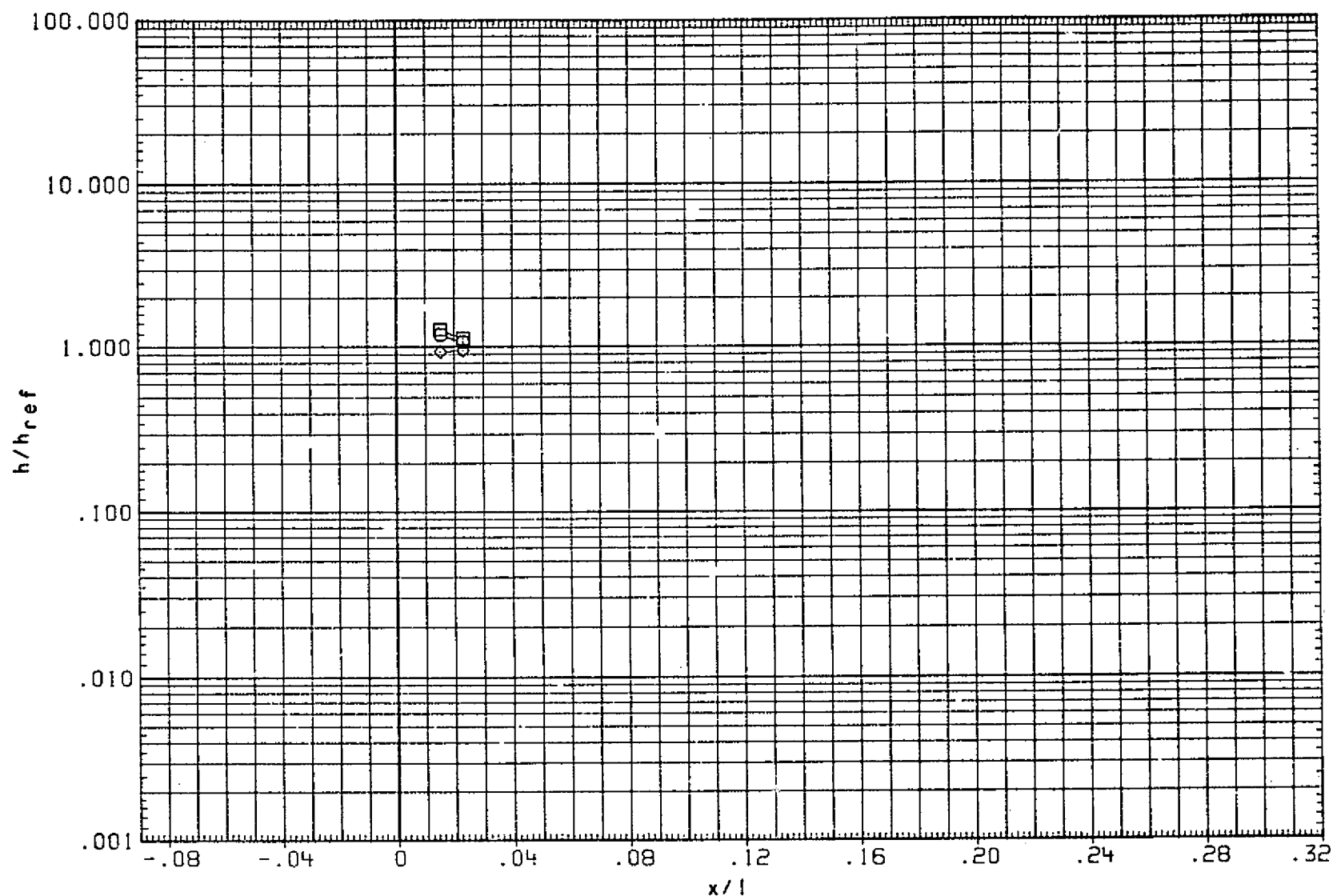


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1252

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000	.000	5.000

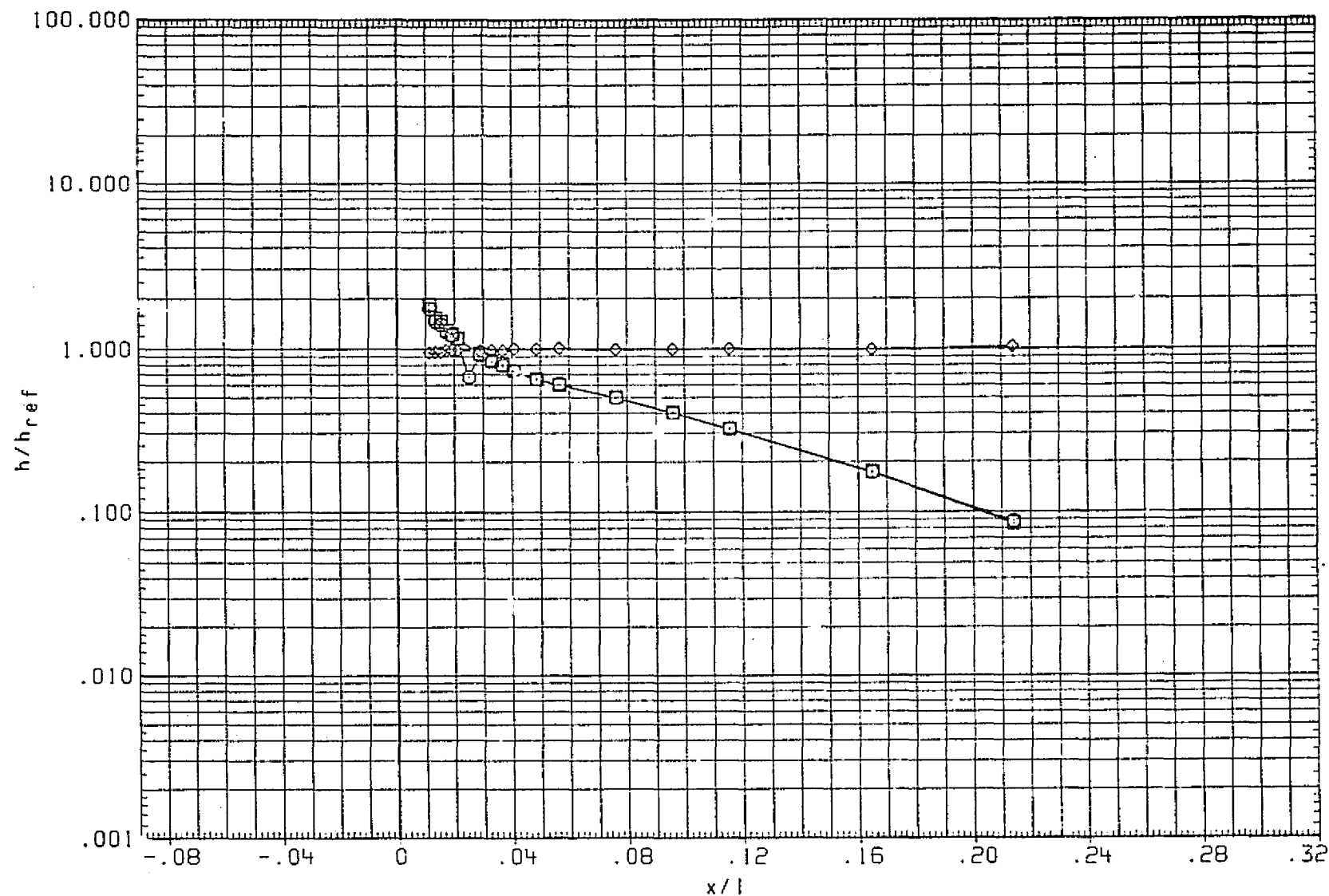


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 130.000

PAGE 1253



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)

ALPHA	BETA	RN/L
.000	-3.000	5.000
.000	.000	5.000
.000		5.000

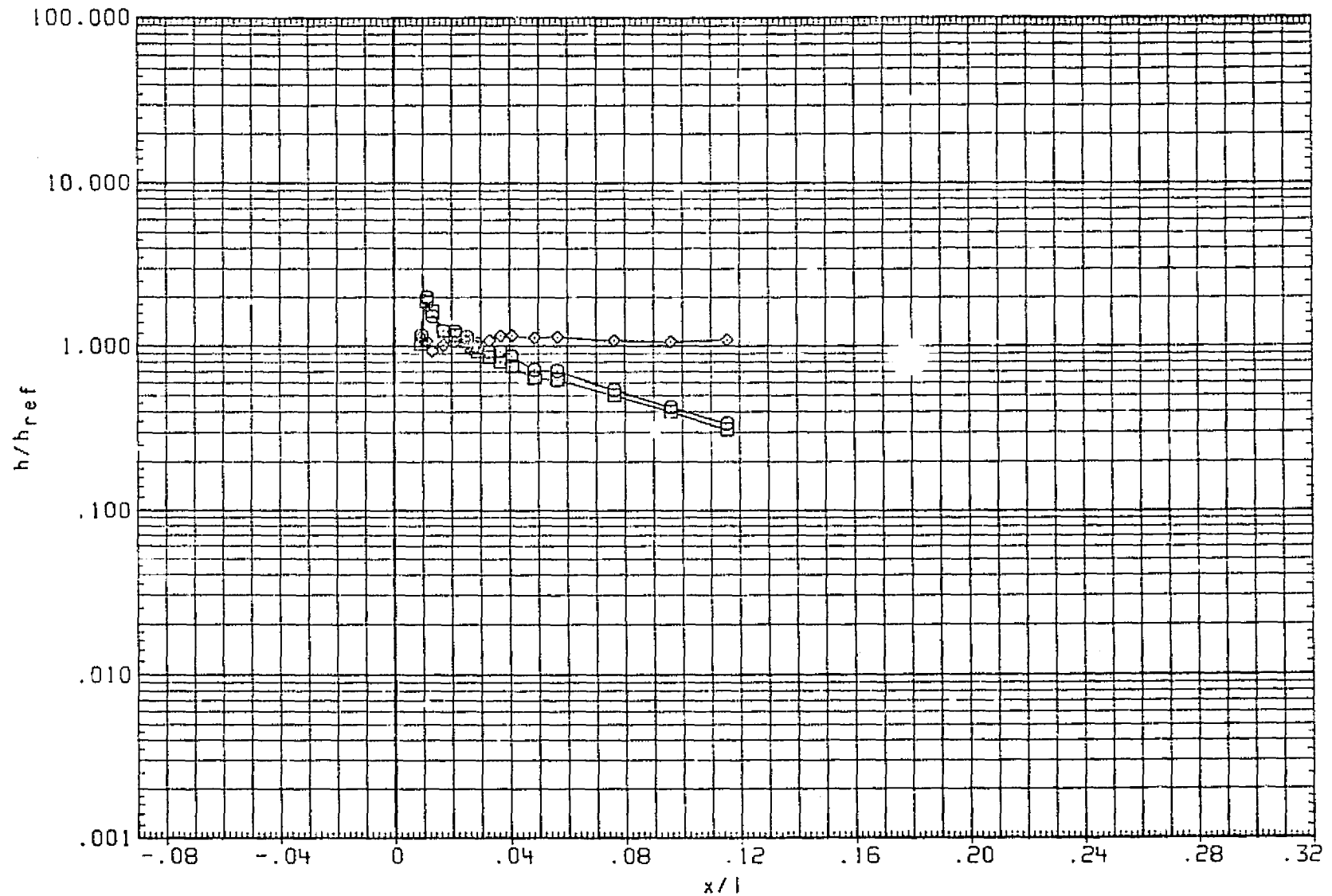


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1254

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

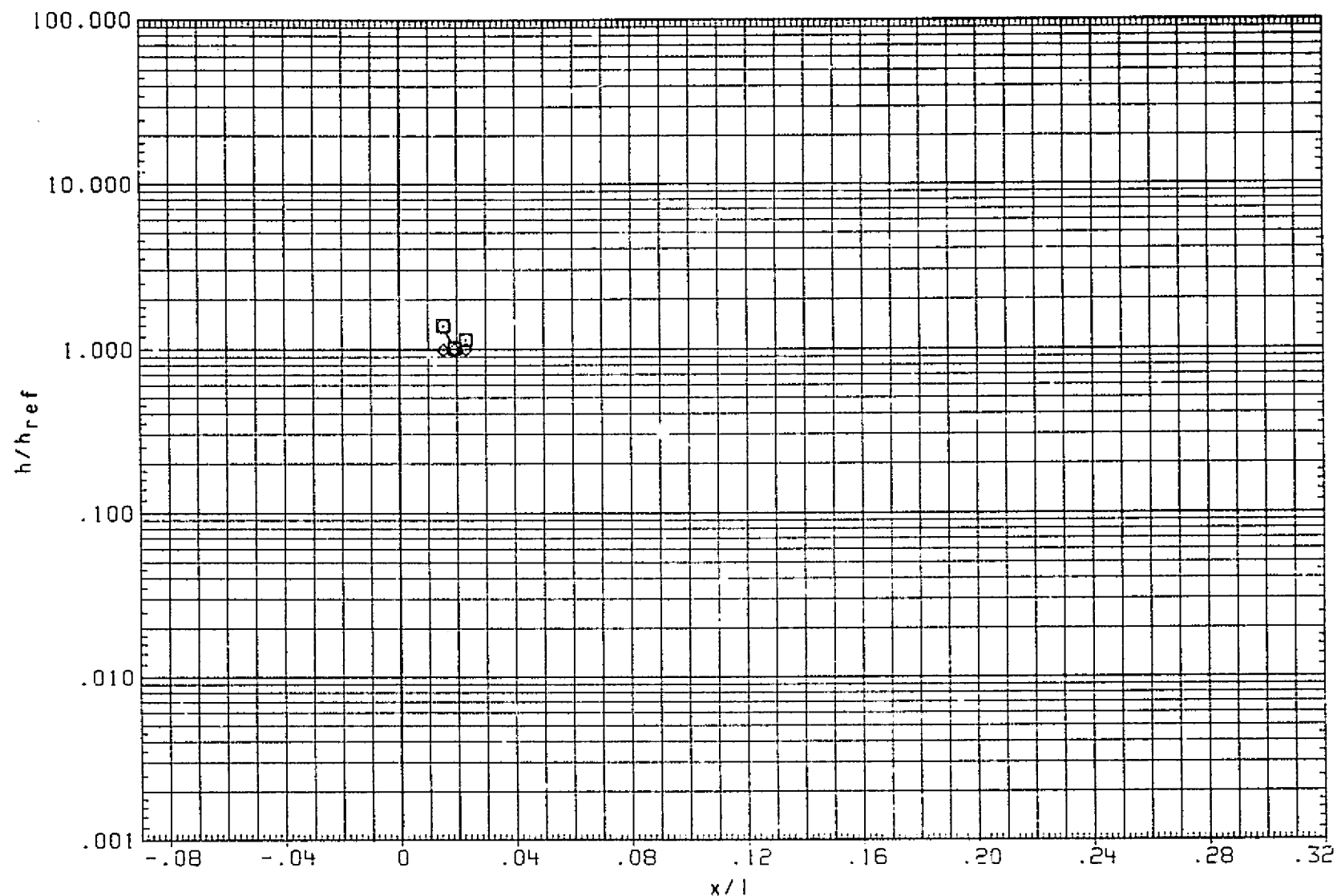


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

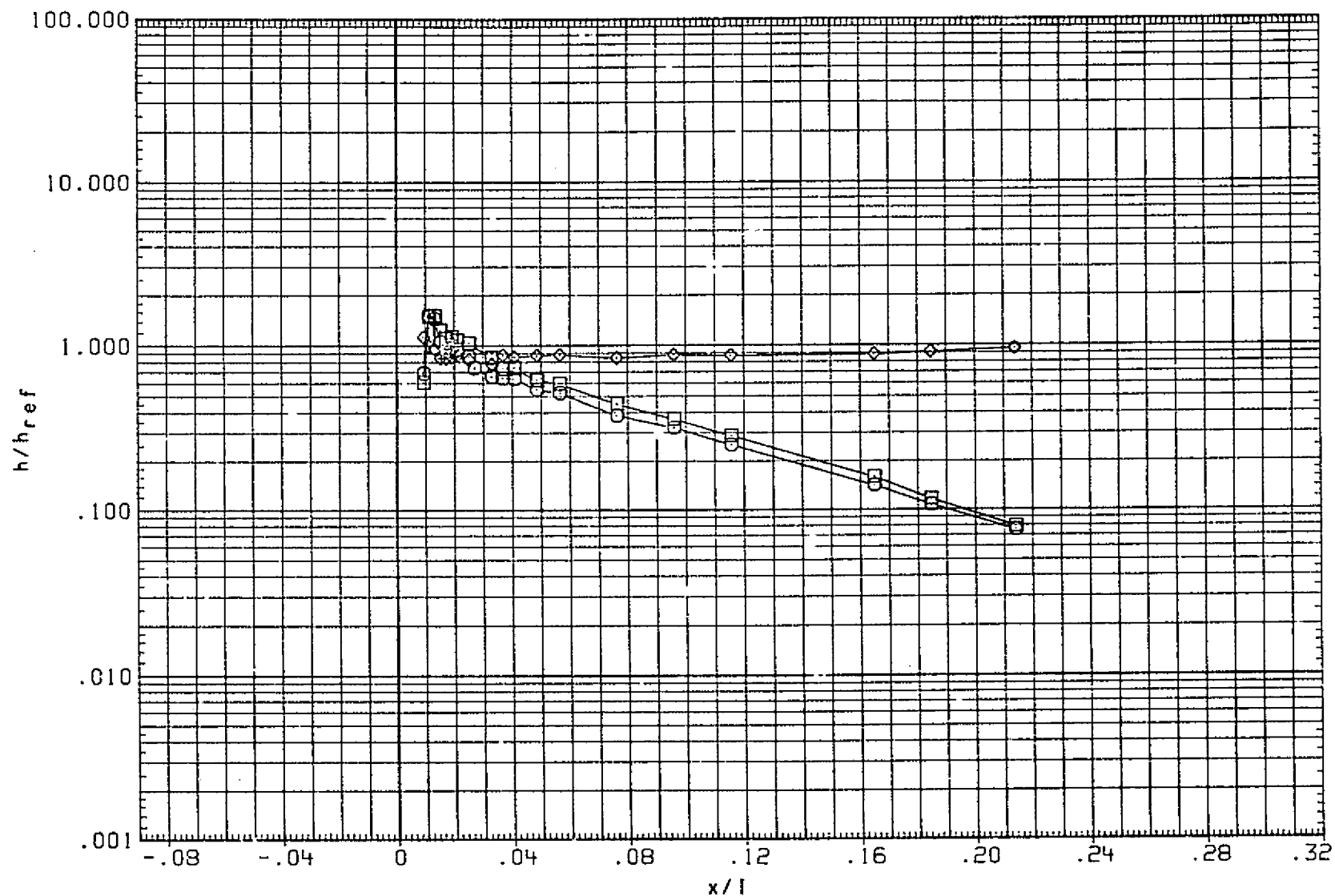


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT20)	.000		5.000

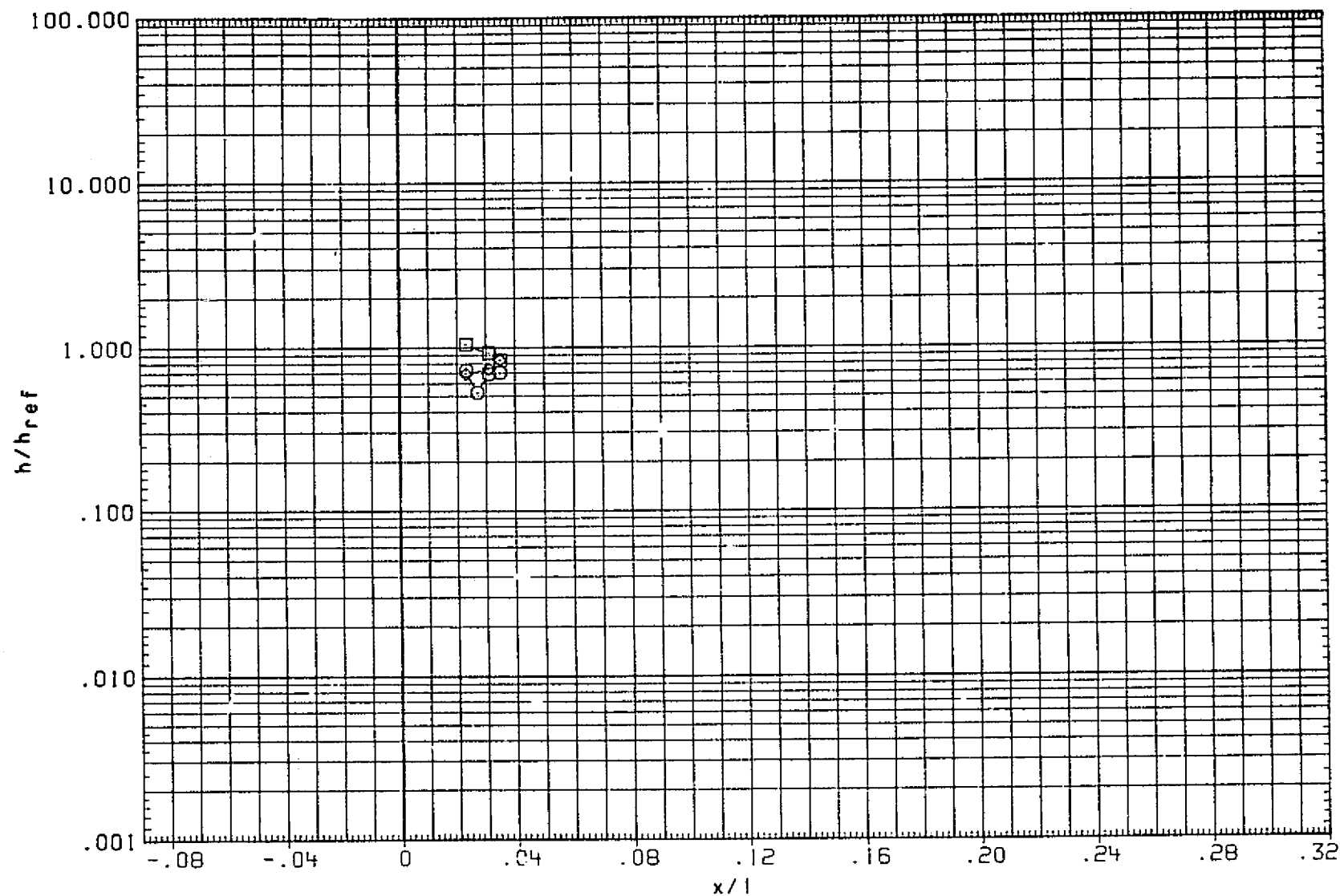


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

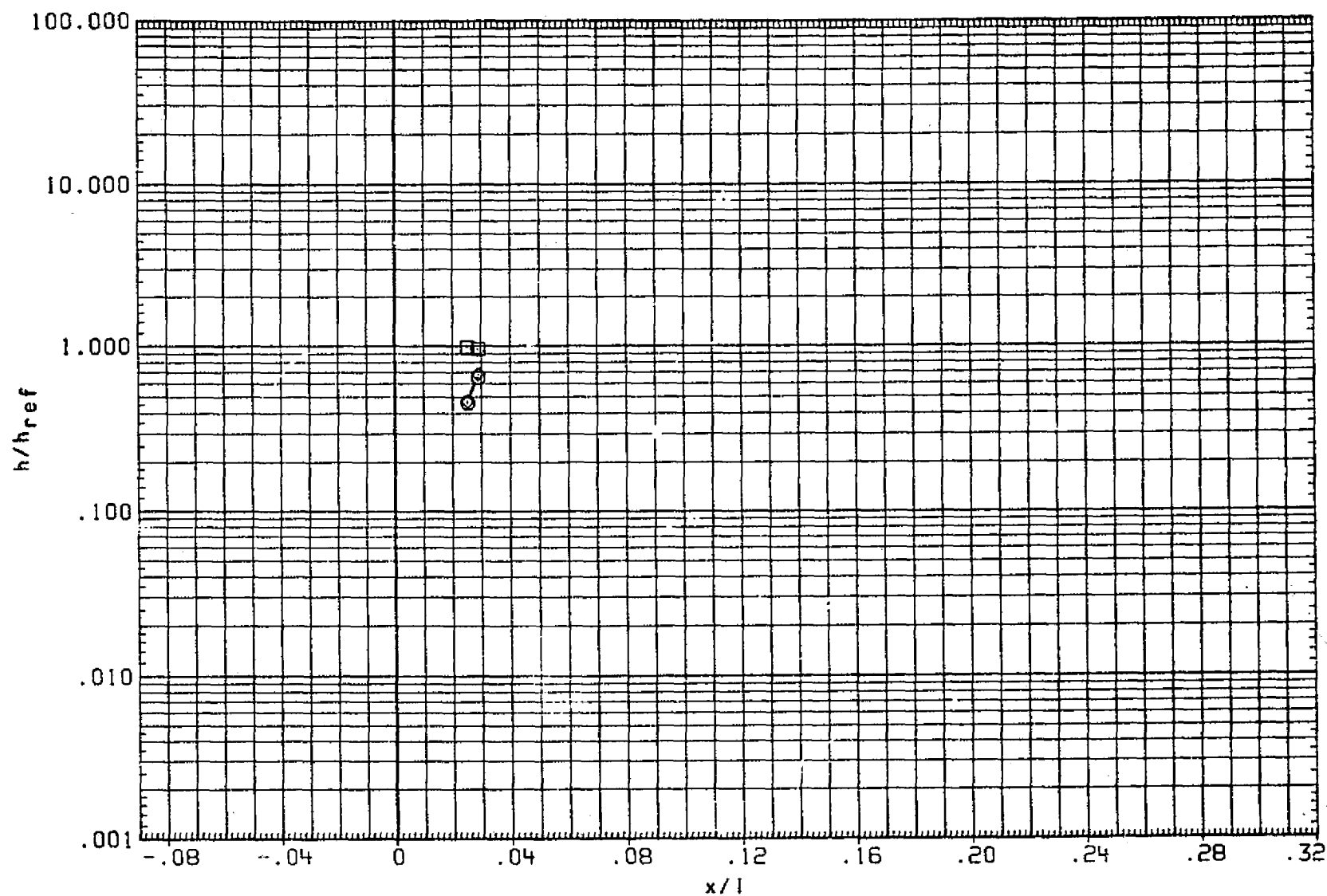


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1258

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

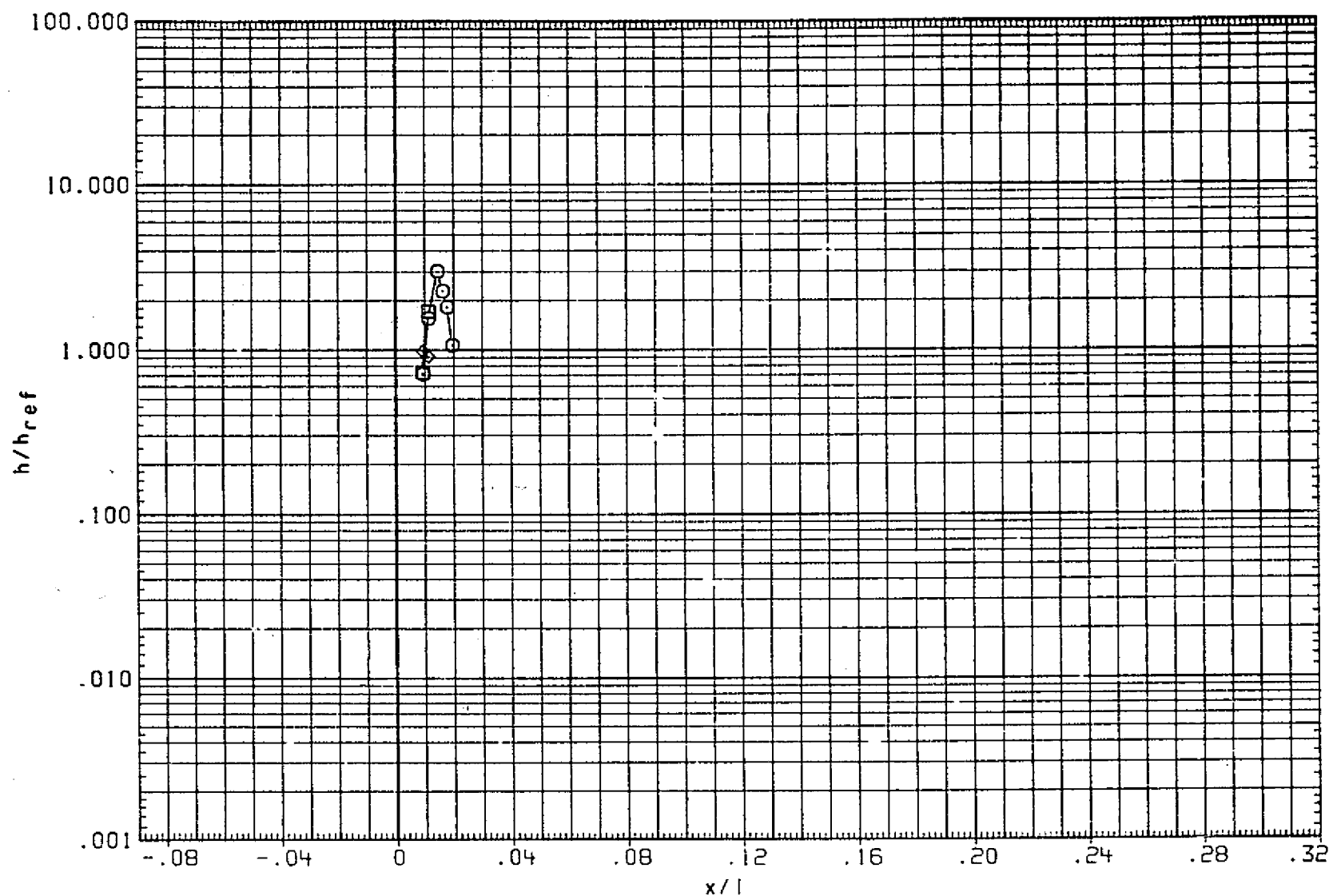


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT20)	.000		5.000

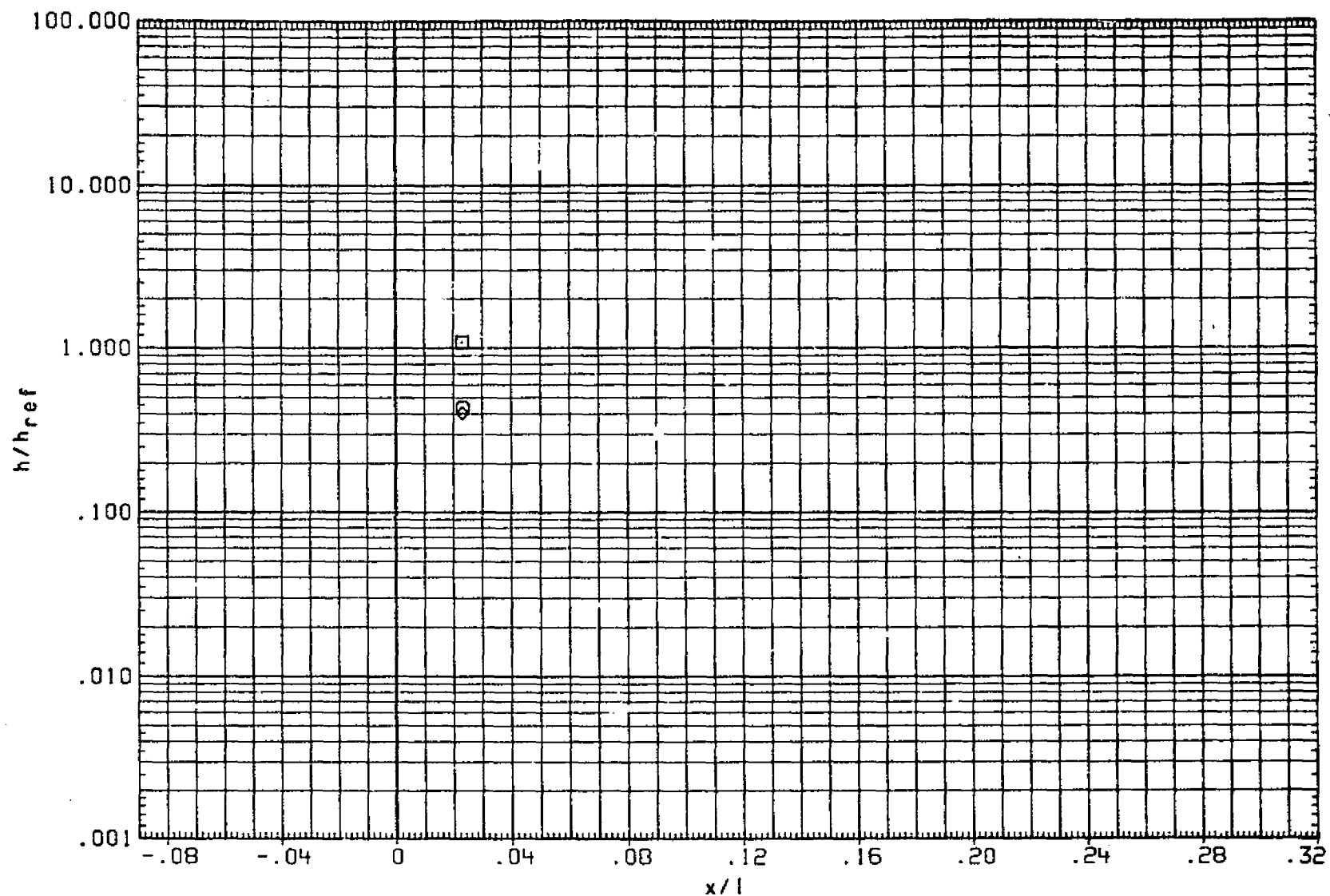


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 .BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1260

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT20)	.000	.000	5.000

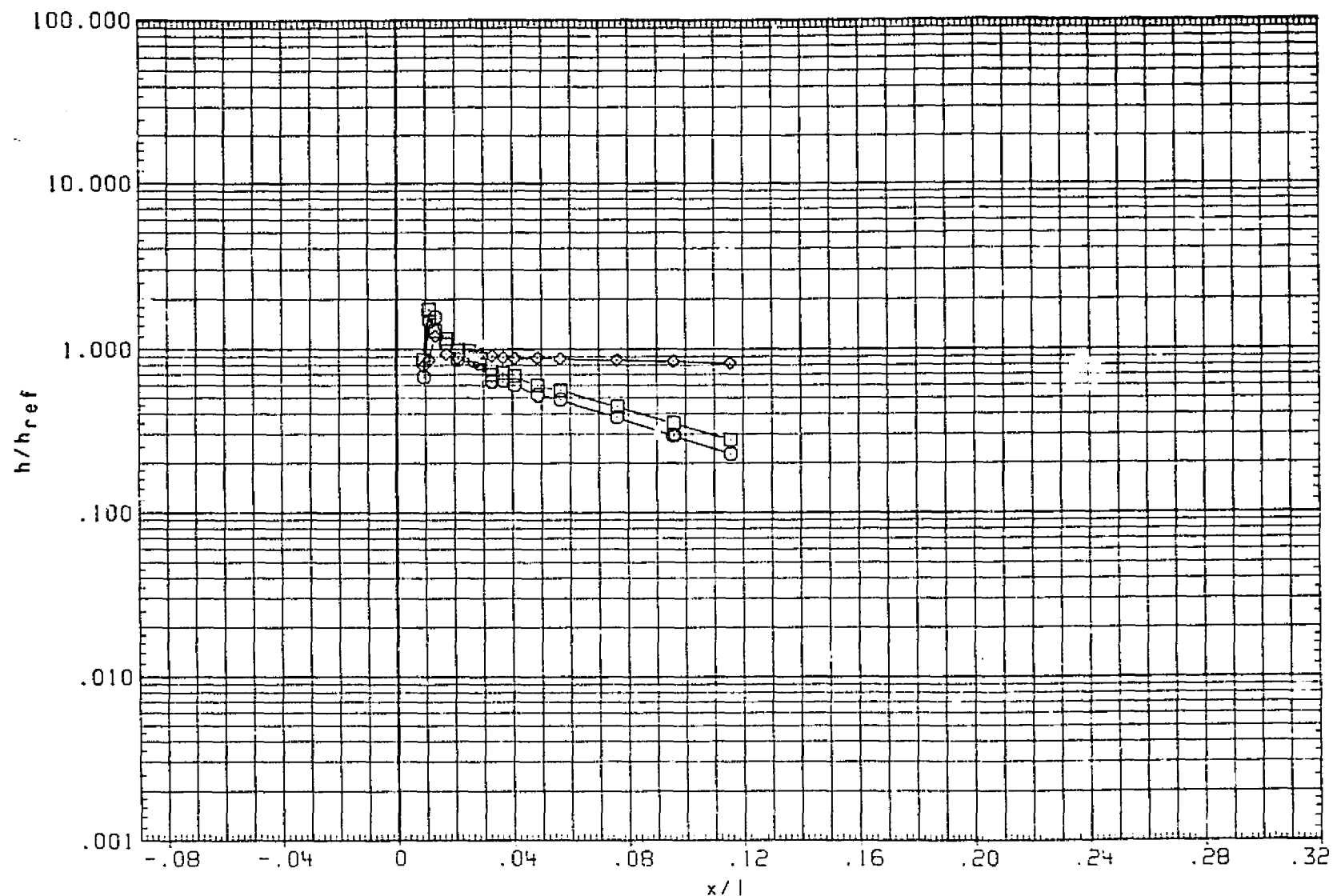


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

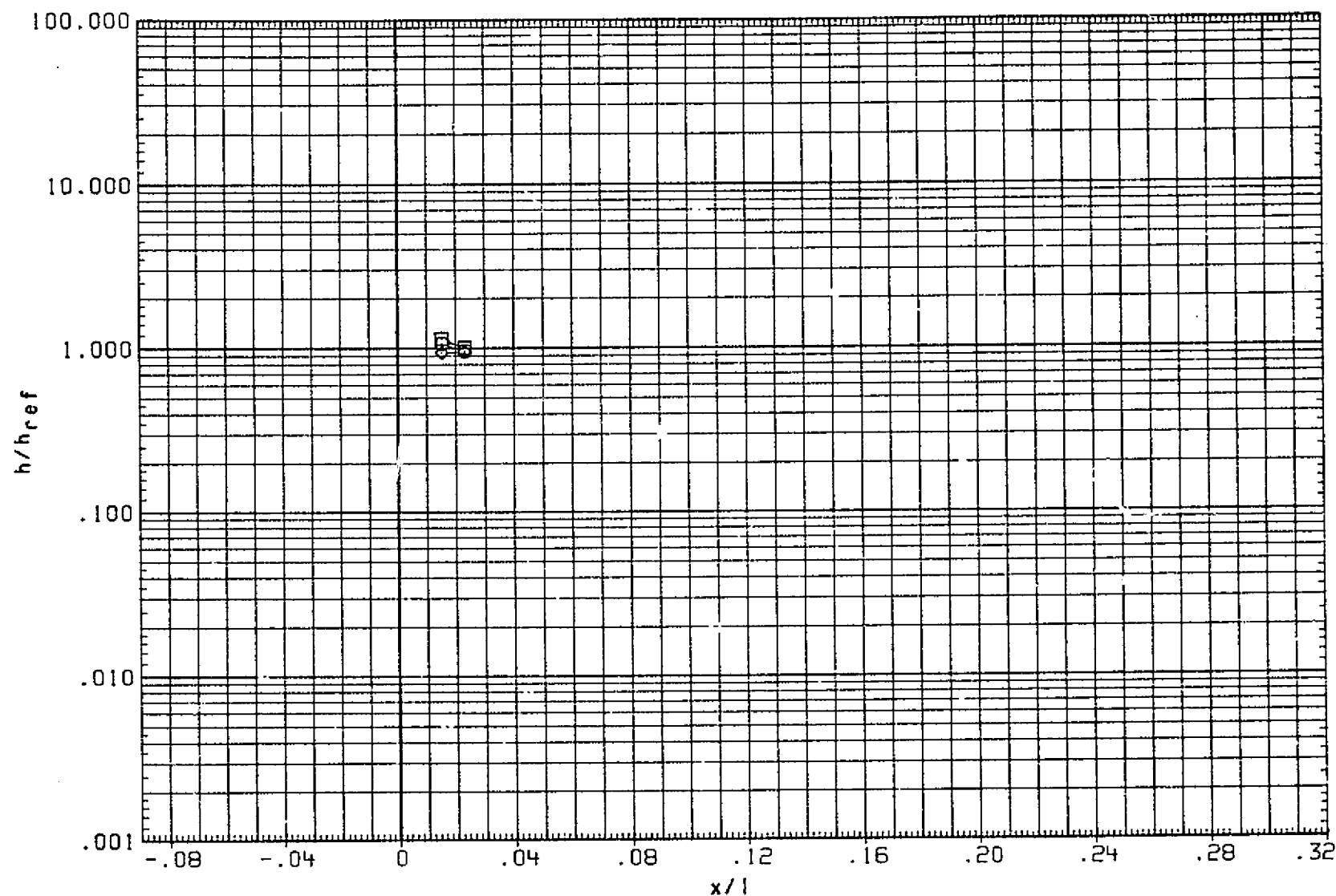


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1262

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HJ (RNTT10/RNTT20)	.000		5.000

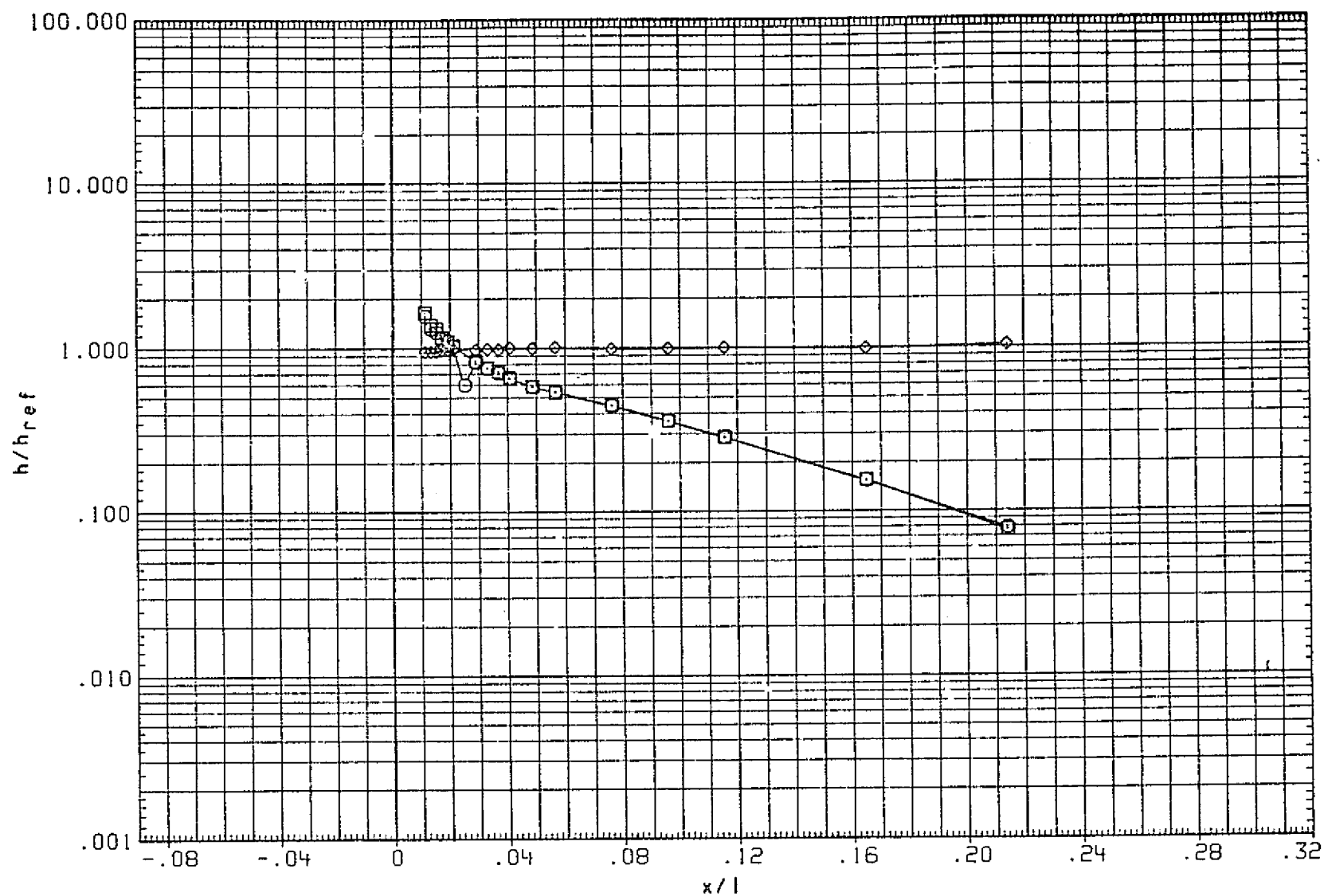


FIG. 15 TANK FOREBODY H1/HJ (ALPHA=0 ,BETA=0 FOR HJ)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(PNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000	.000	5.000

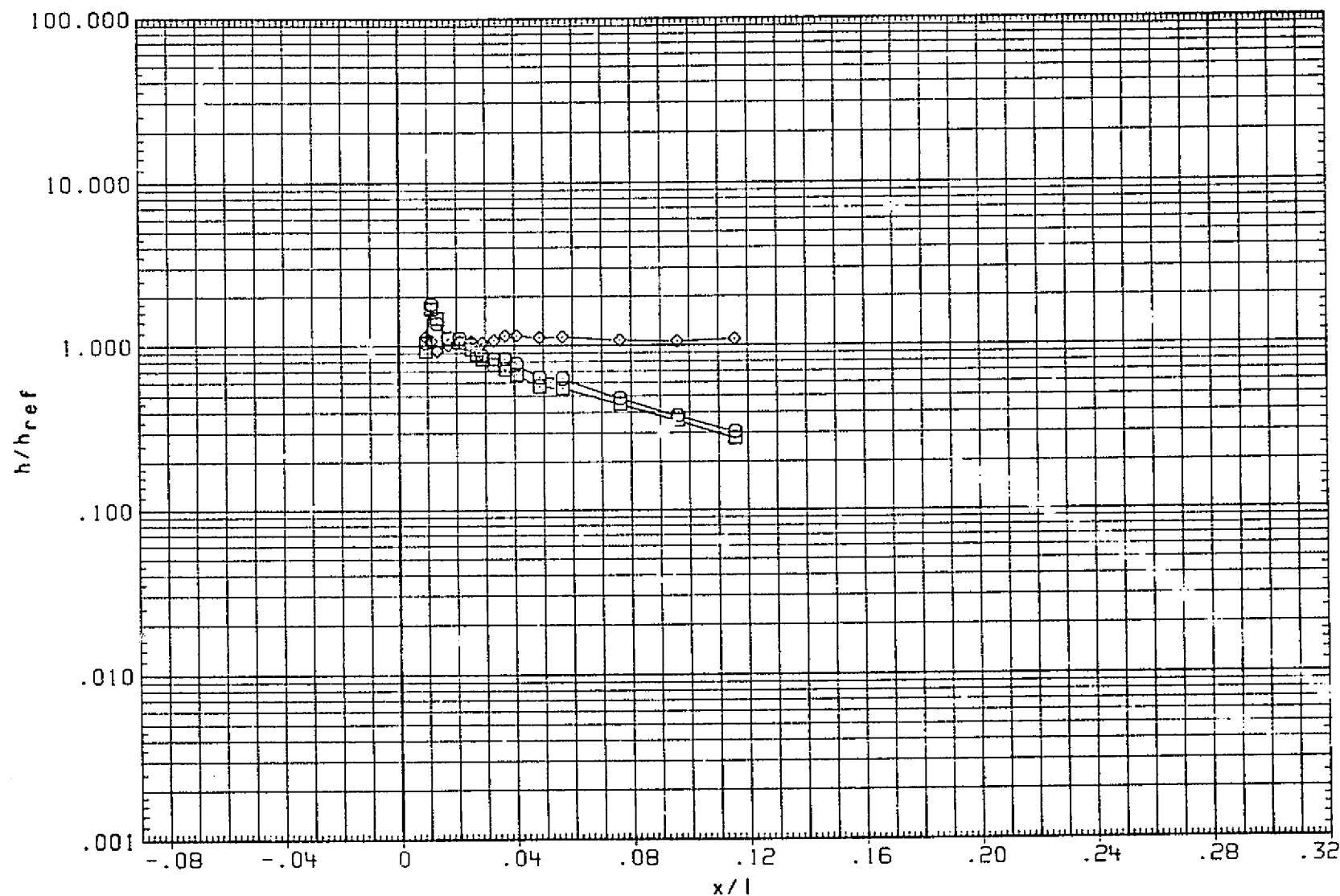


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HJ (RNTT10/RNTT20)	.000		5.000

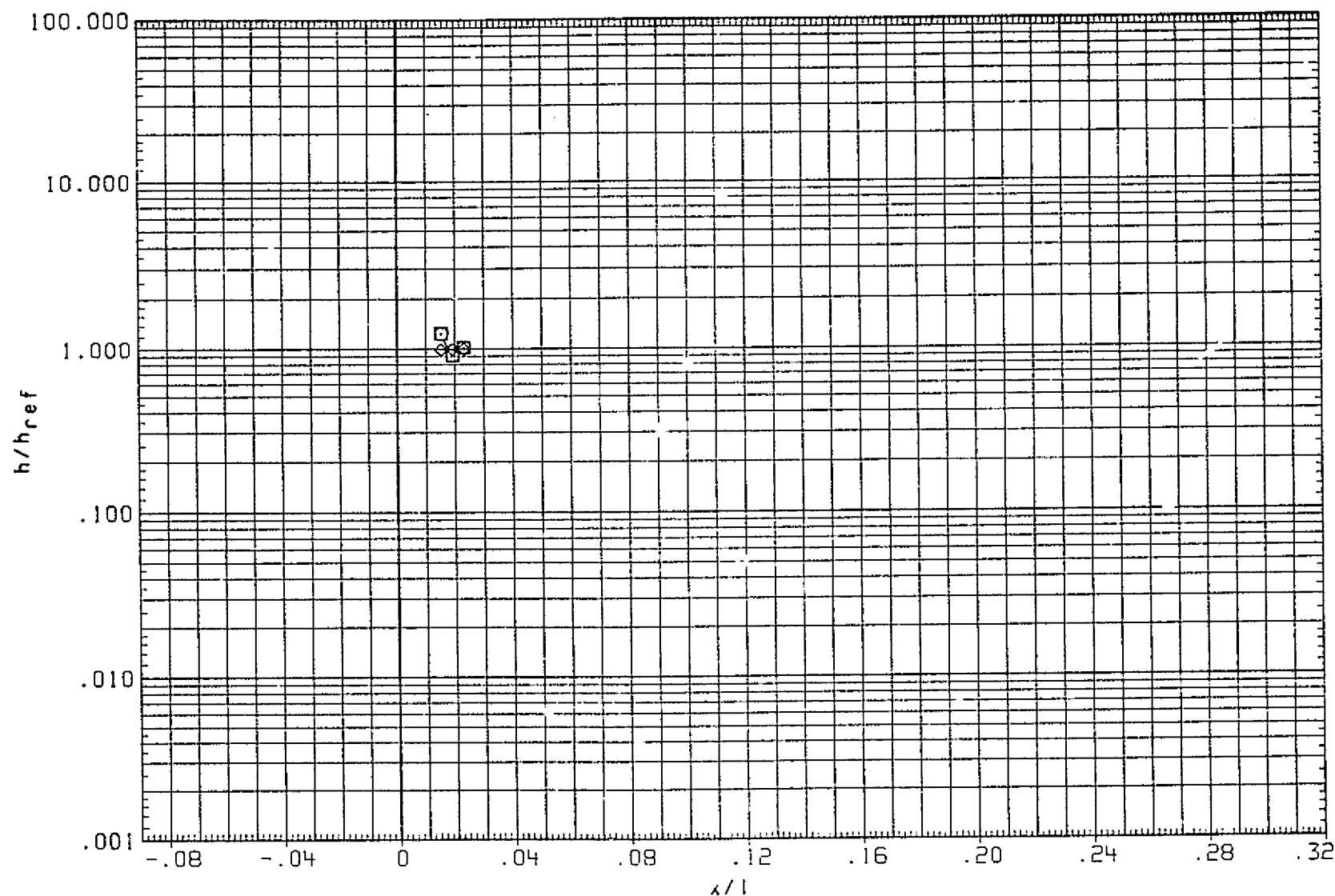


FIG. 15 TANK FOREBODY H1/HJ (ALPHA=0 ,BETA=0 FOR HJ)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10,RNTT20)	.000		5.000

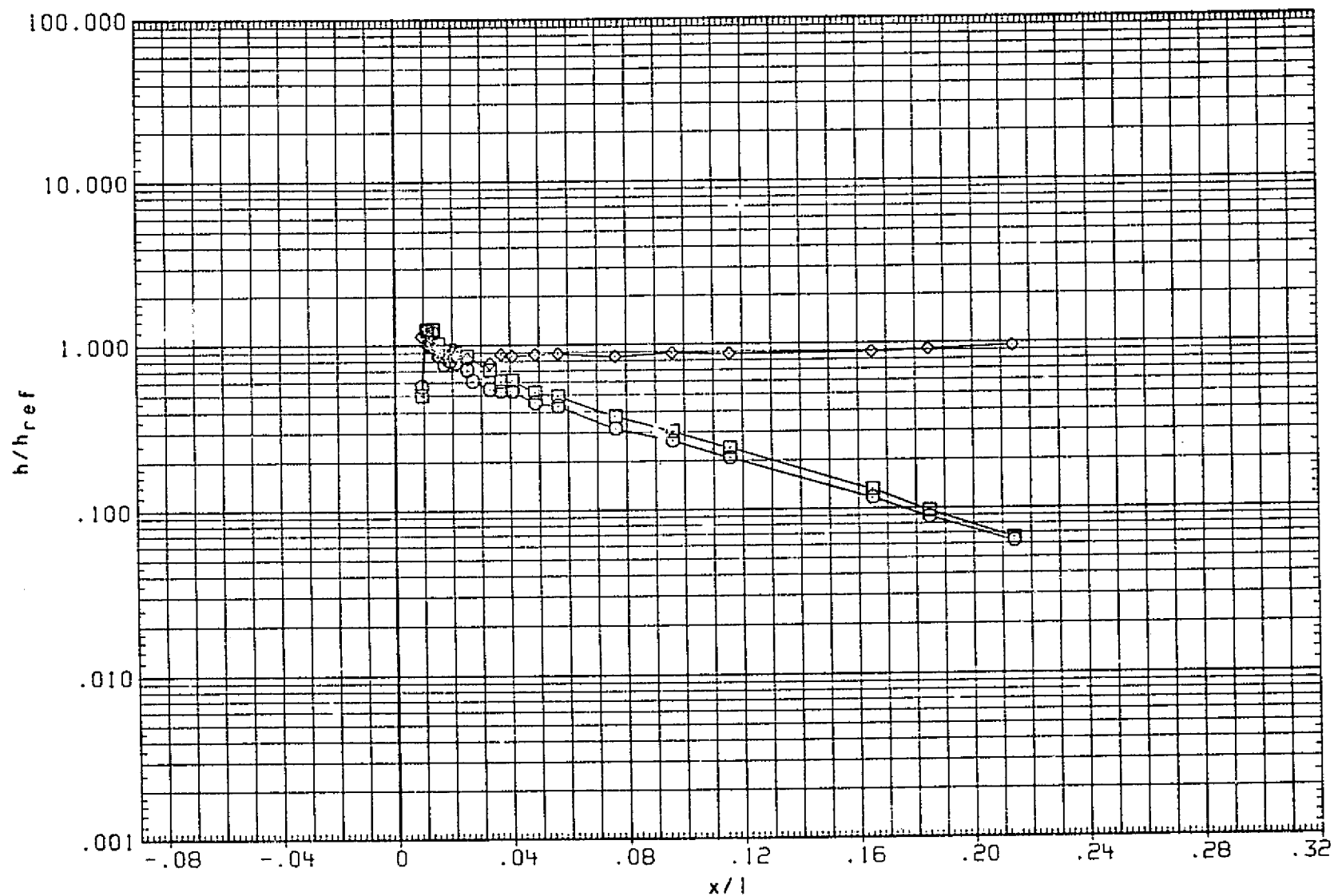


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

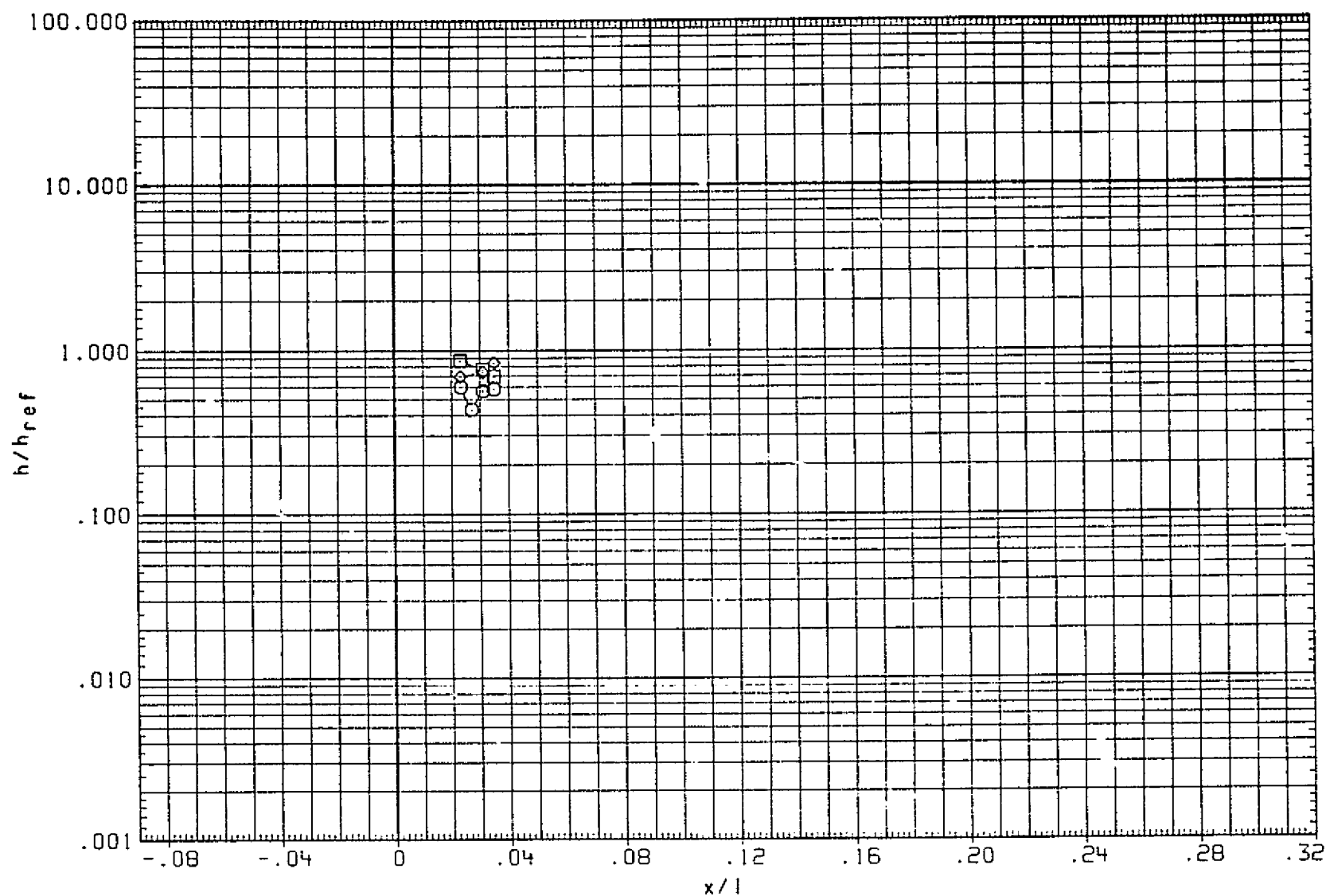


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

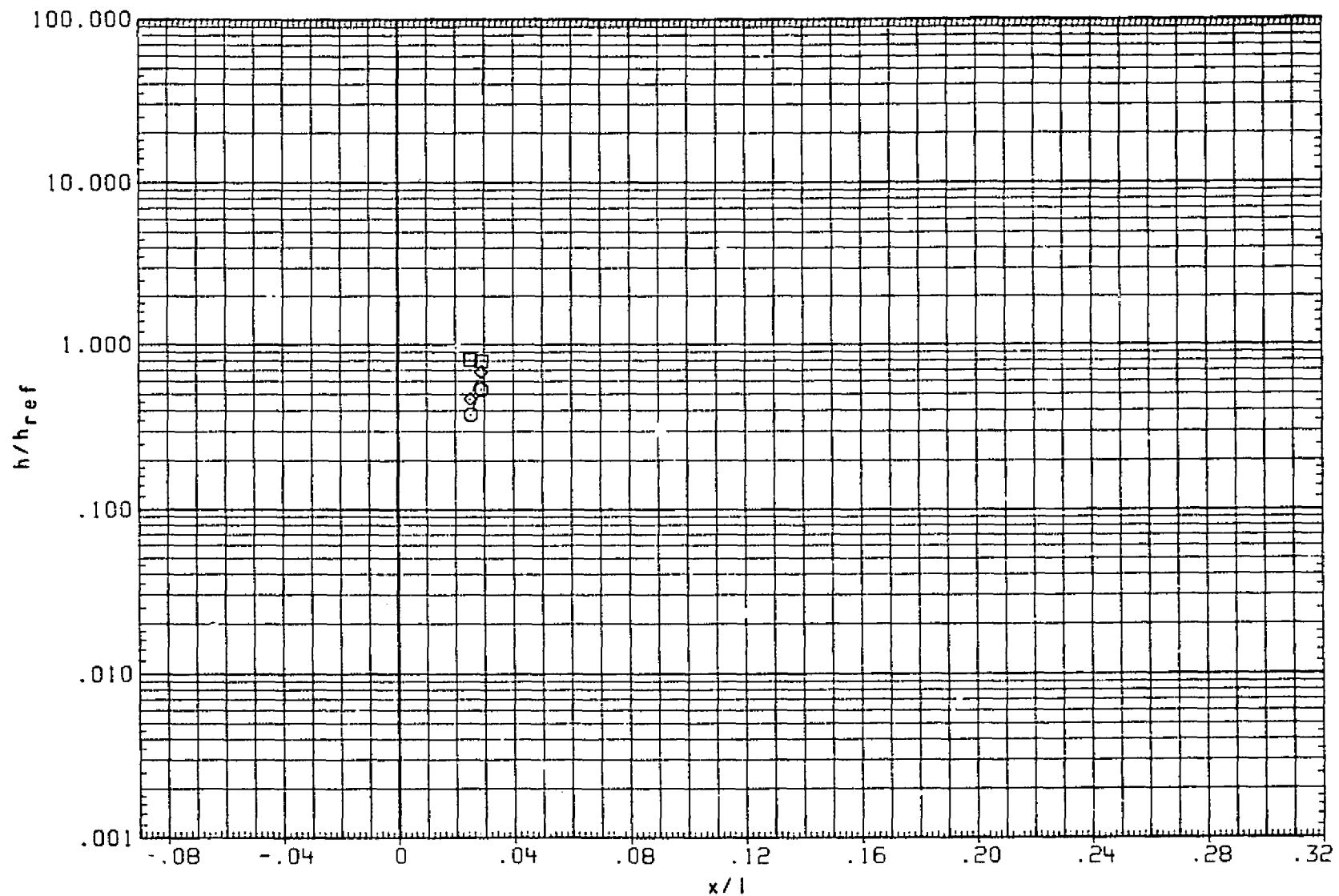


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1268

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALF. A	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

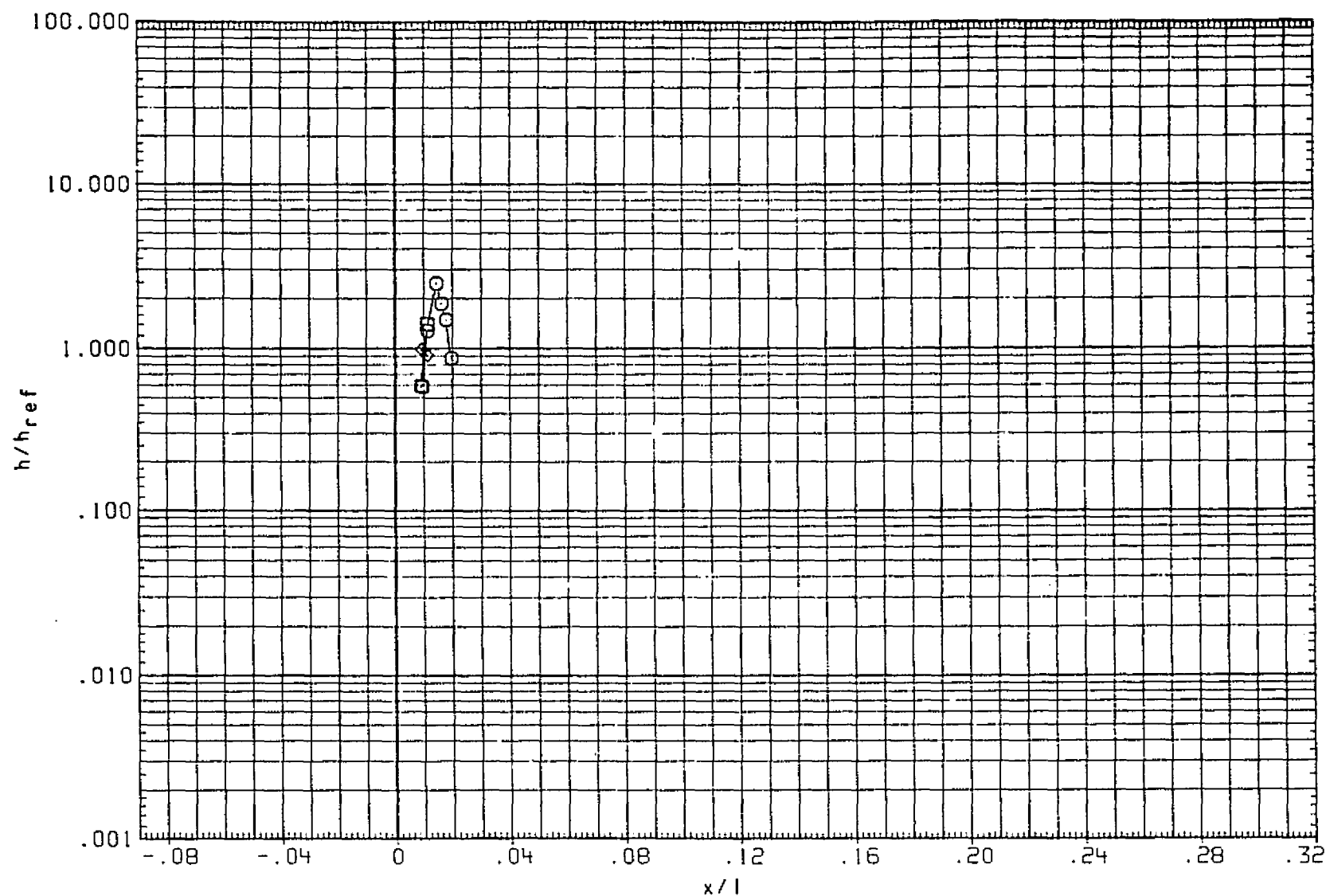


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1269



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

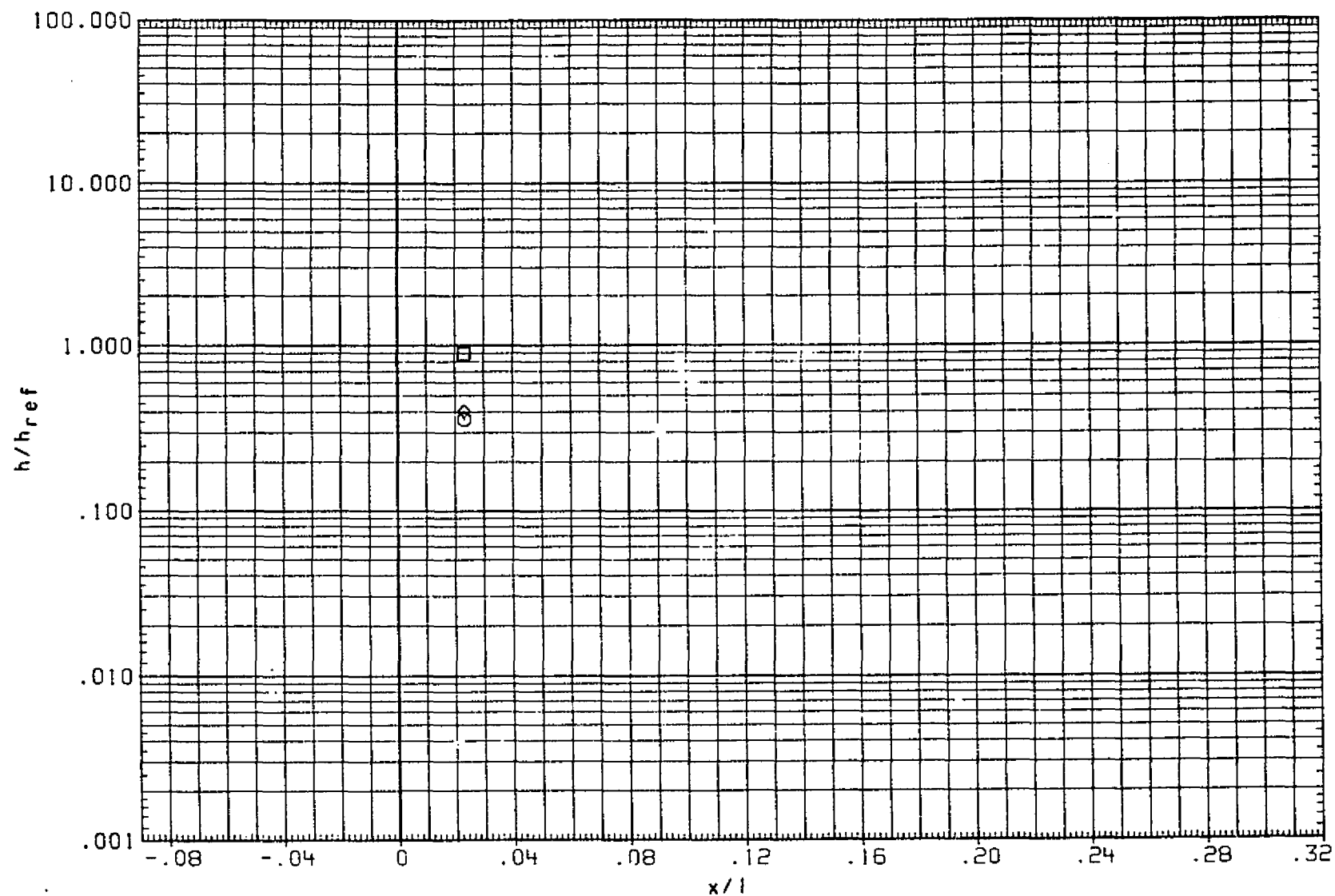


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1270

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT101	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
IRNTT201	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
ICNTT101	◇	ARC3.5-215(FH14) H1/HU (RNTT101/RNTT201)	.000		5.000

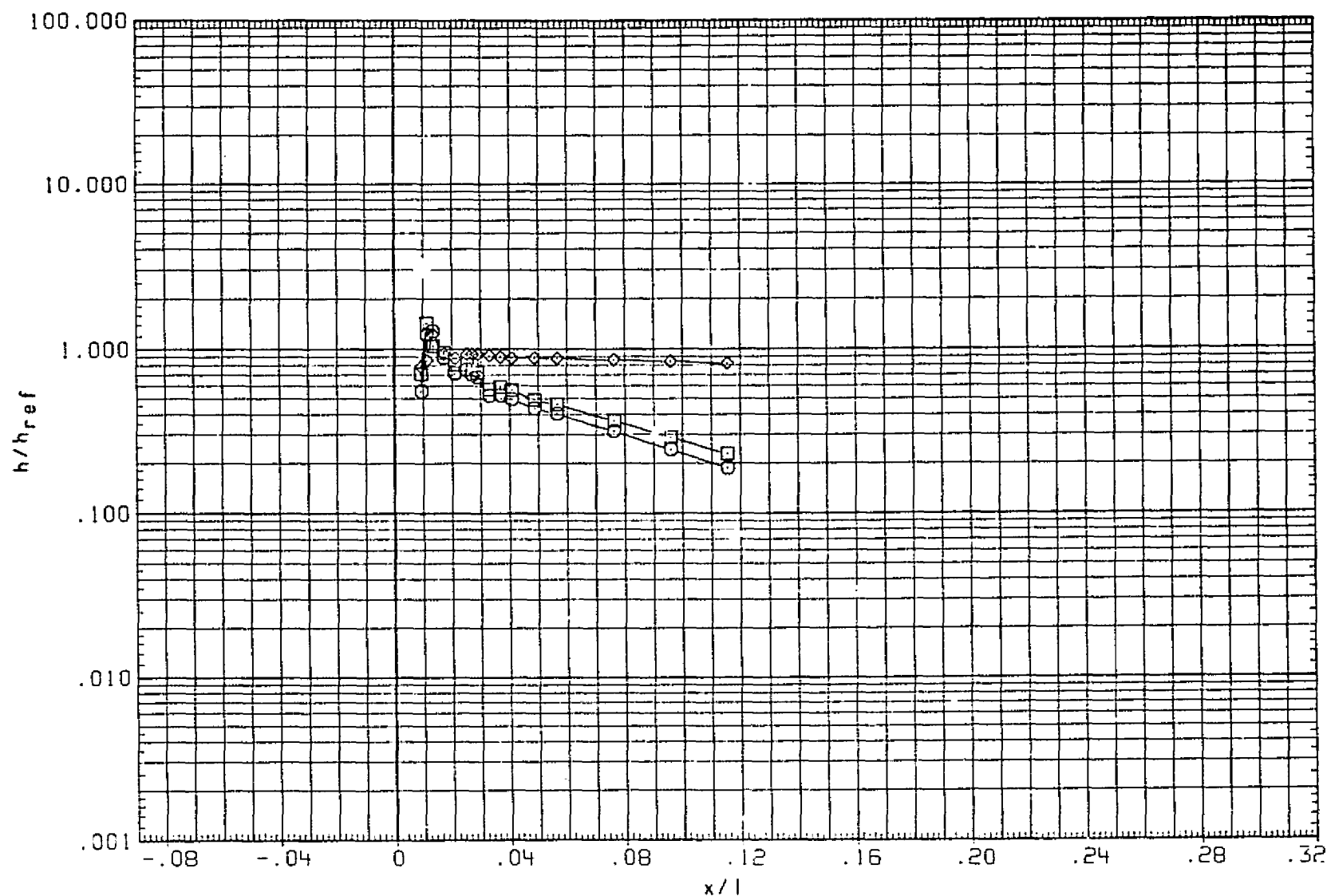


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) H1/HU (RNTT10/RNTT20)	.000		5.000

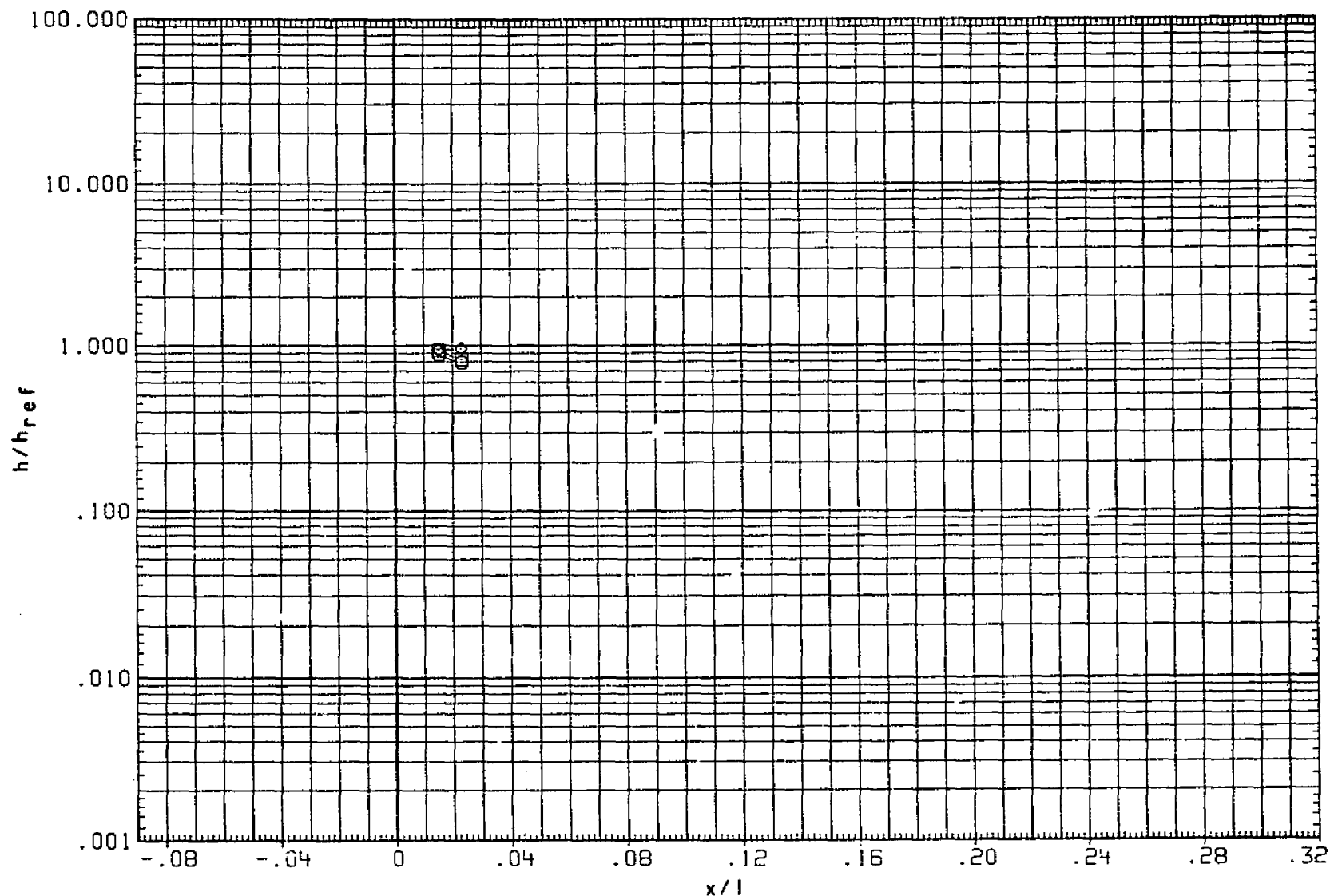


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1272

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000	.000	5.000

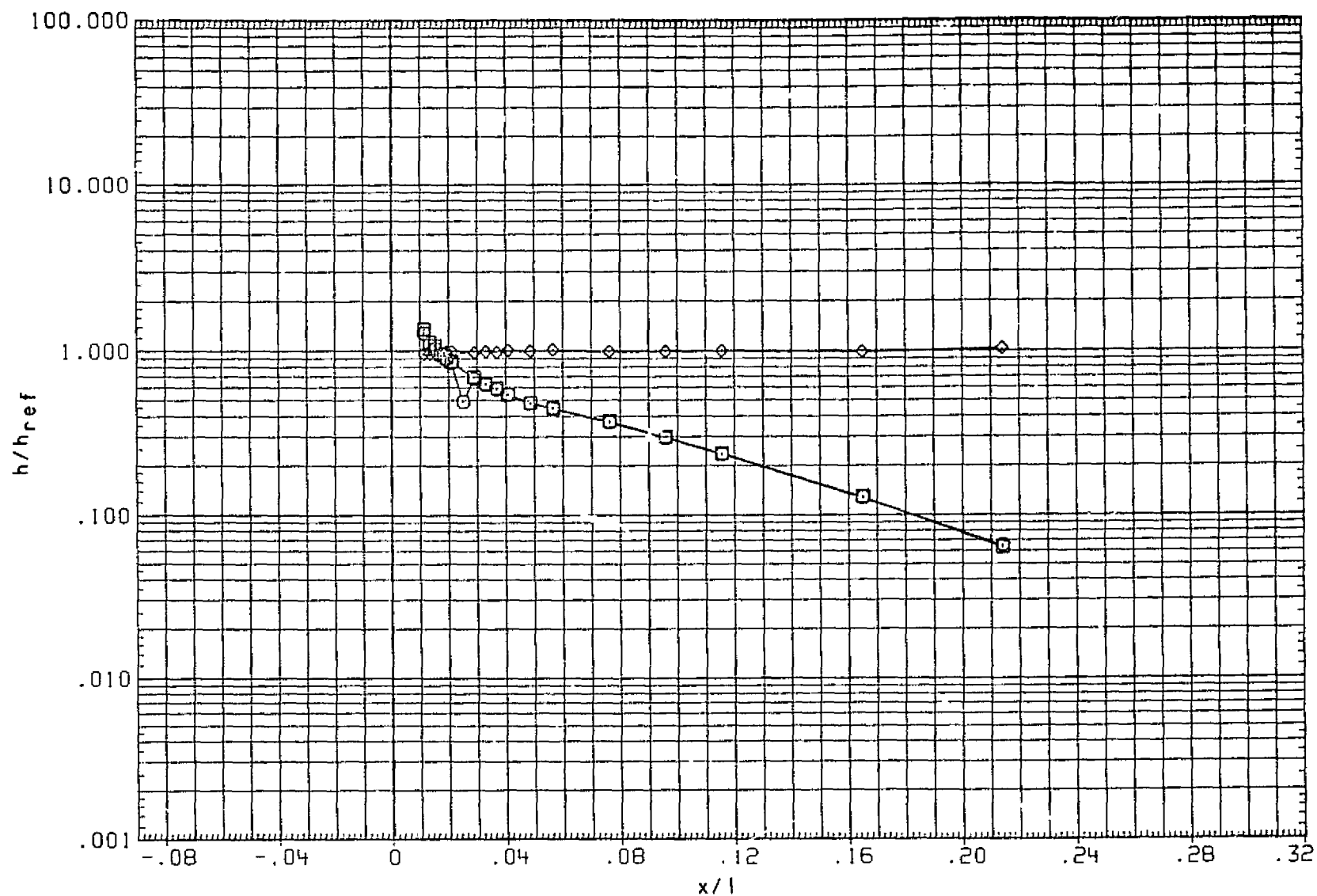


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT10	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
IRNTT20	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
ICNTT10	◇	ARC3.5-215(FH14) HI/HU (IRNTT10/IRNTT20)	.000	.000	5.000

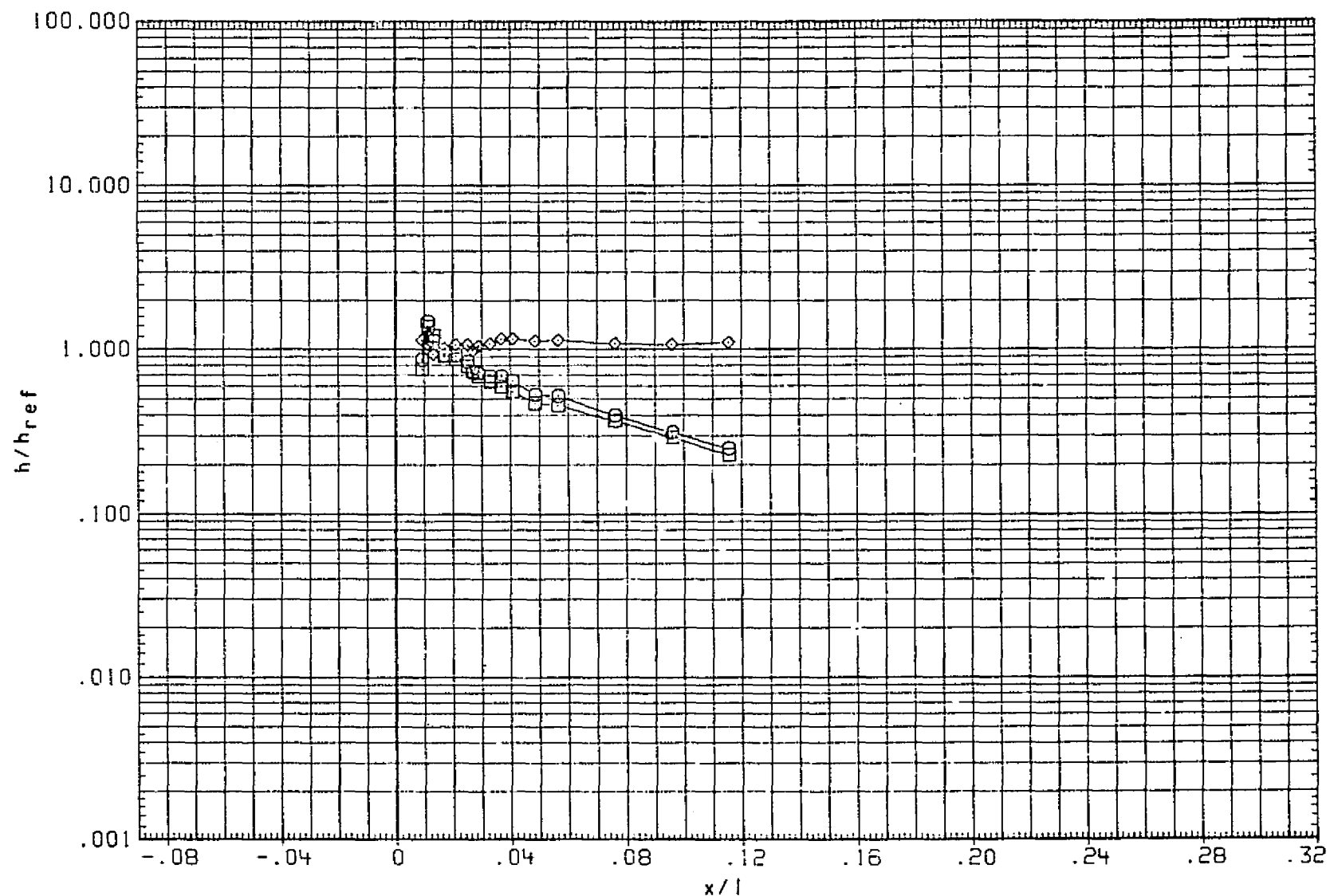


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT10)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT10)	◇	ARC3.5-215(FH14) HI/HU (RNTT10/RNTT20)	.000		5.000

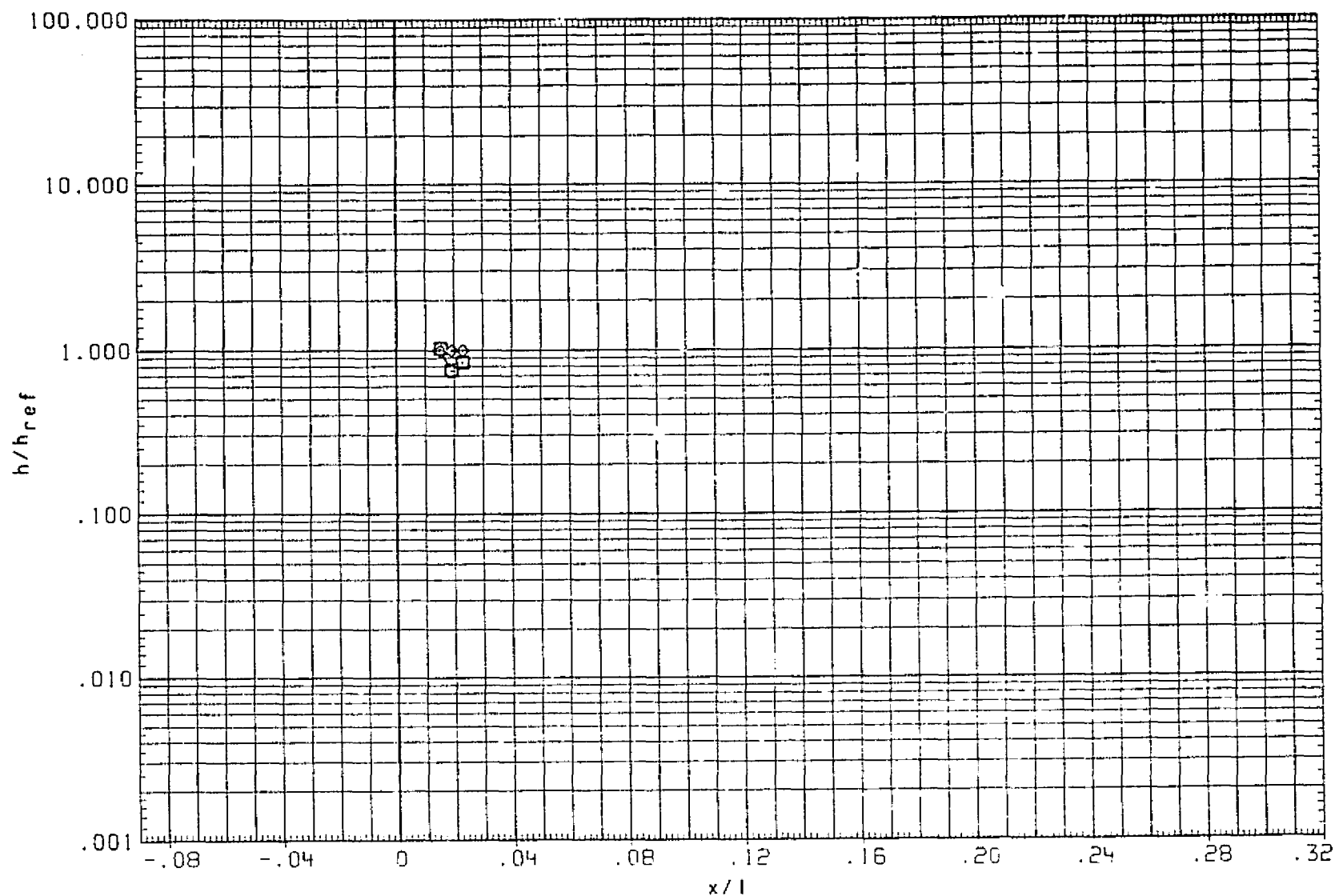


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	PN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNT111)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

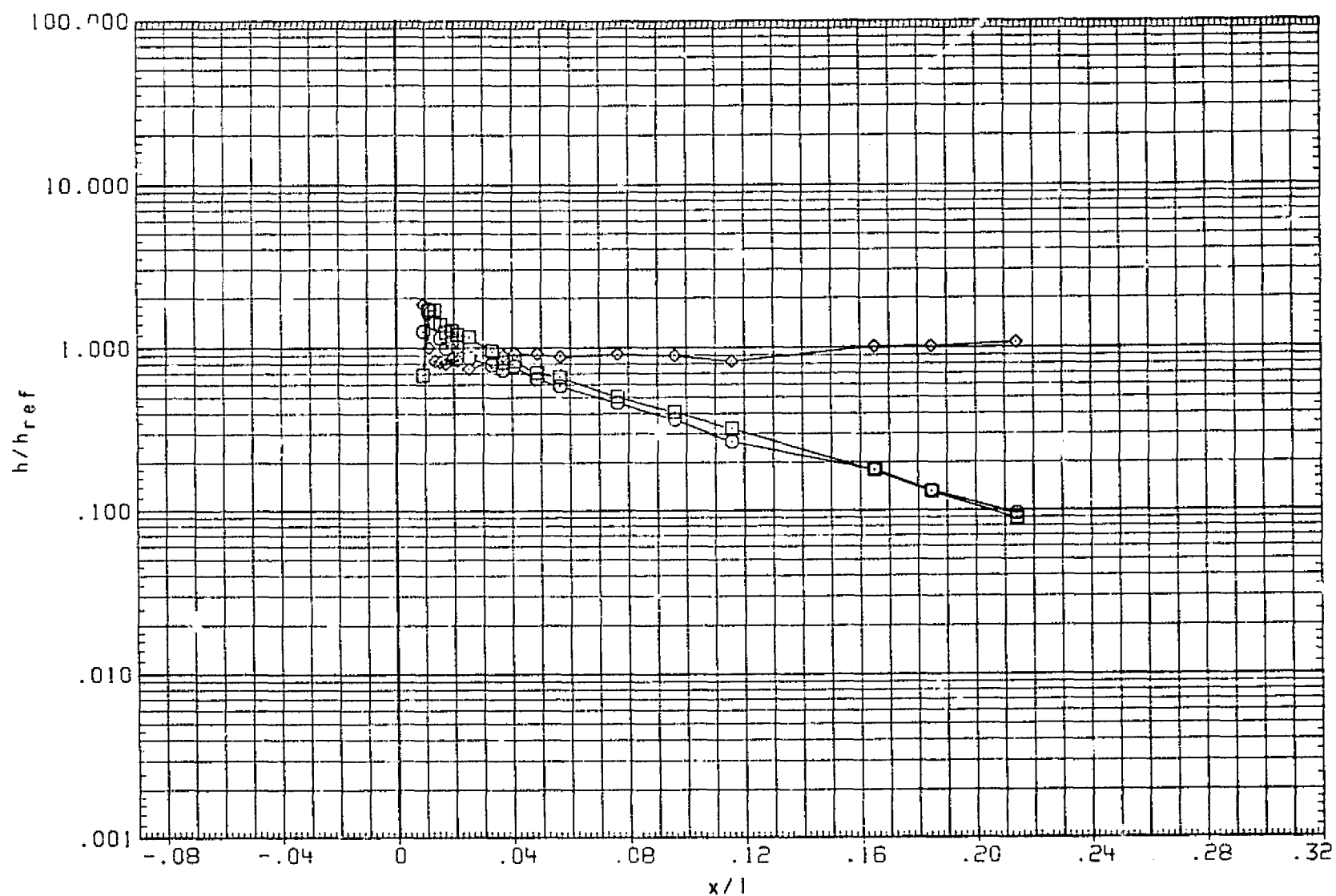


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

PAGE 1276

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

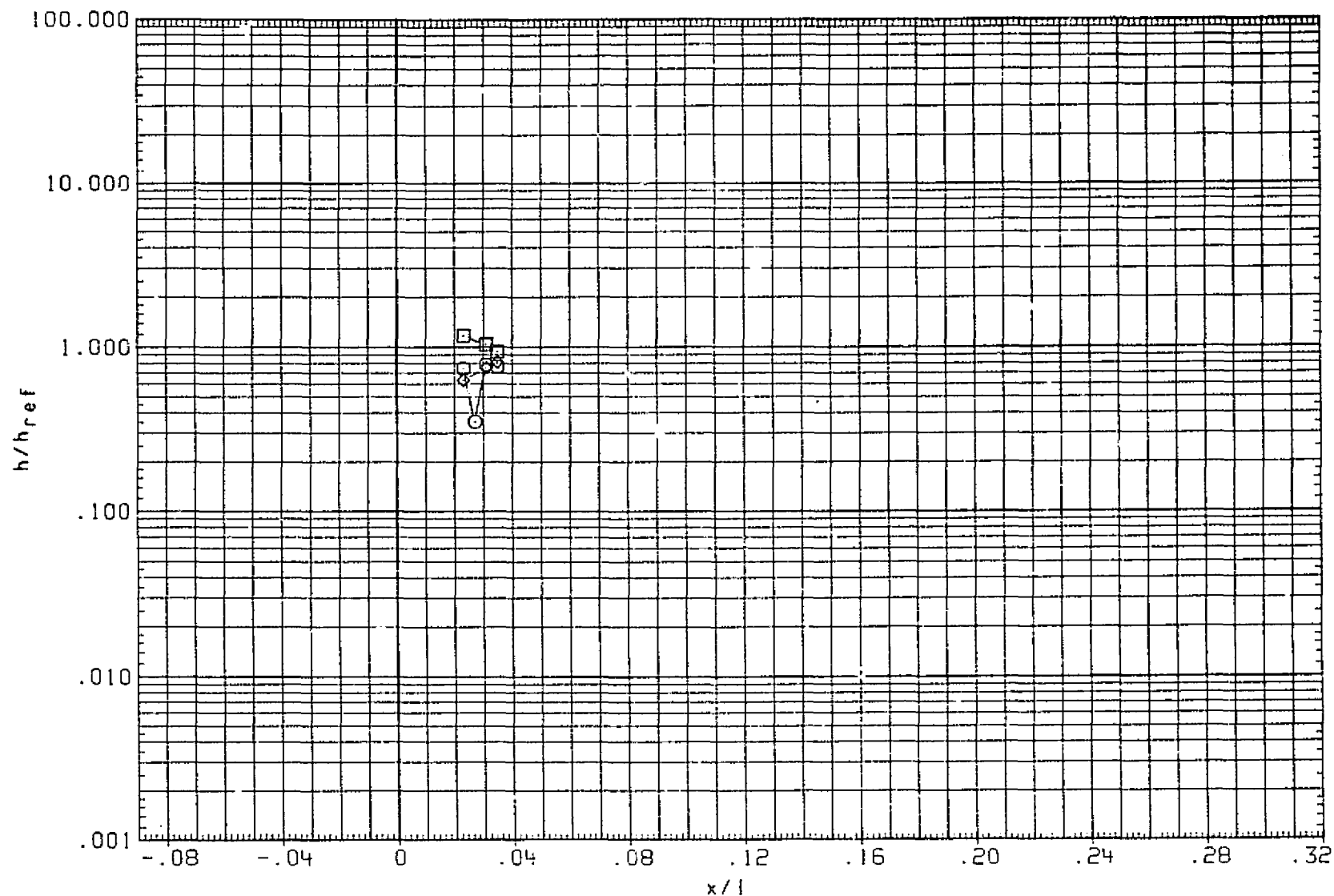


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

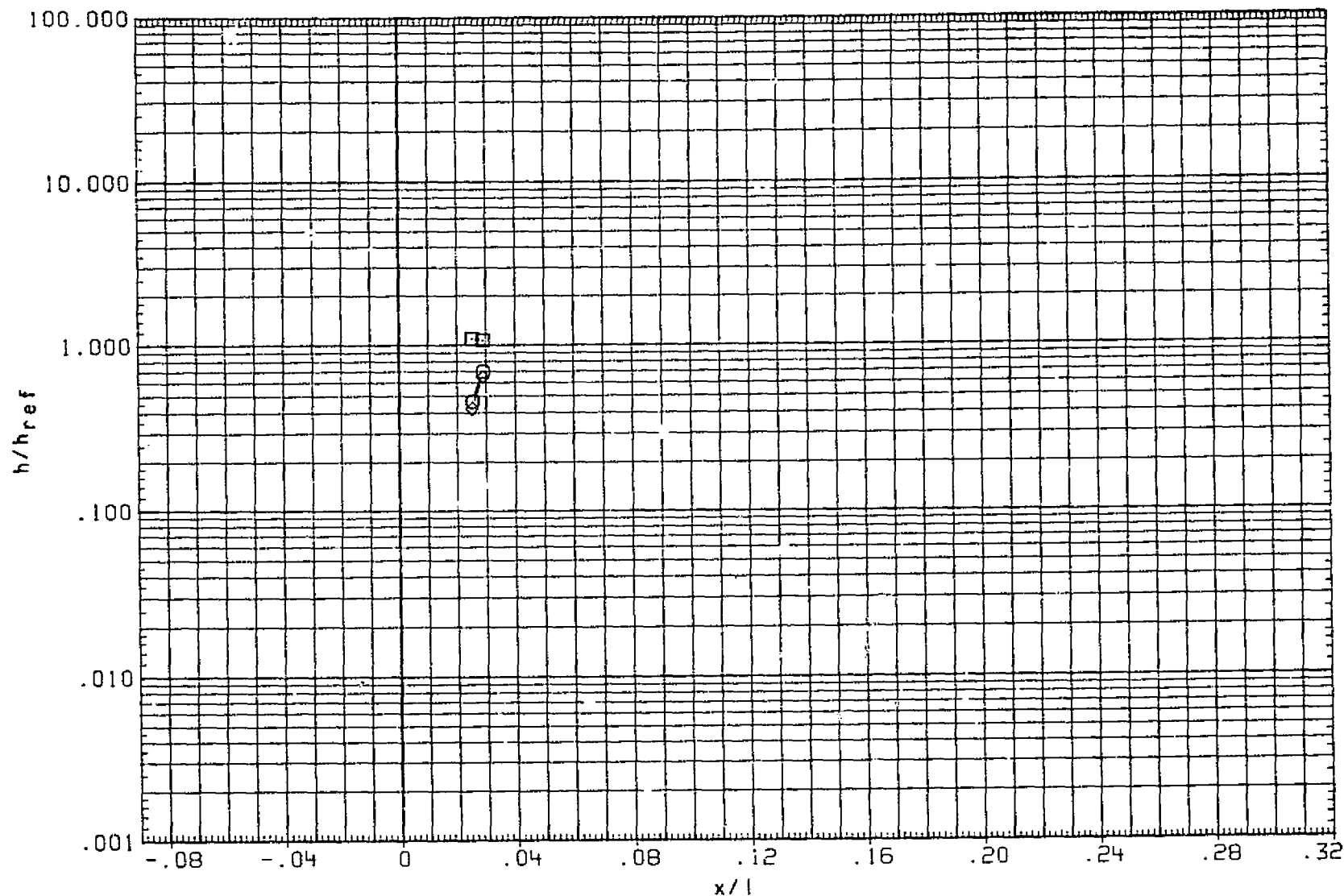


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1278

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

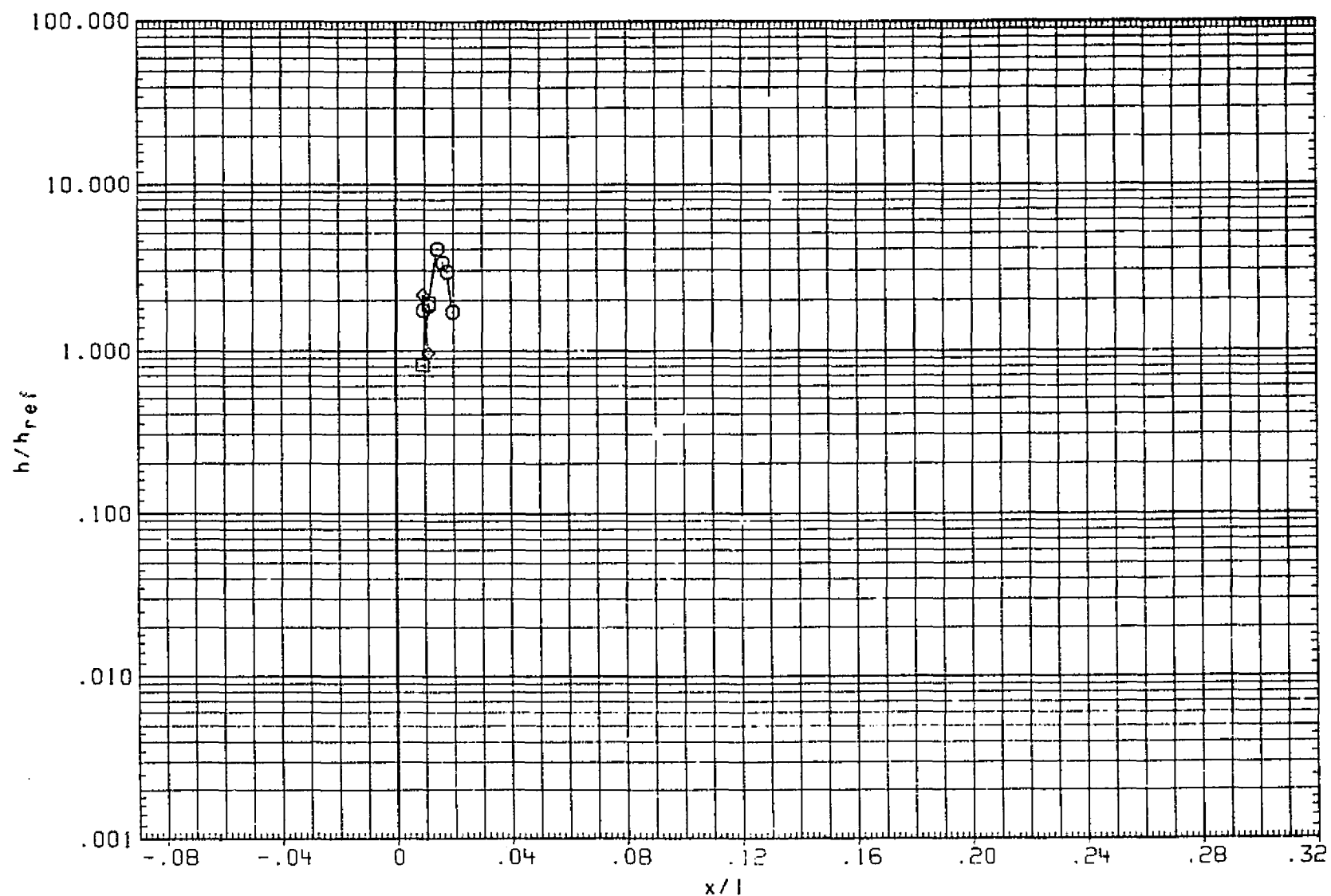


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

PAGE 1279

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

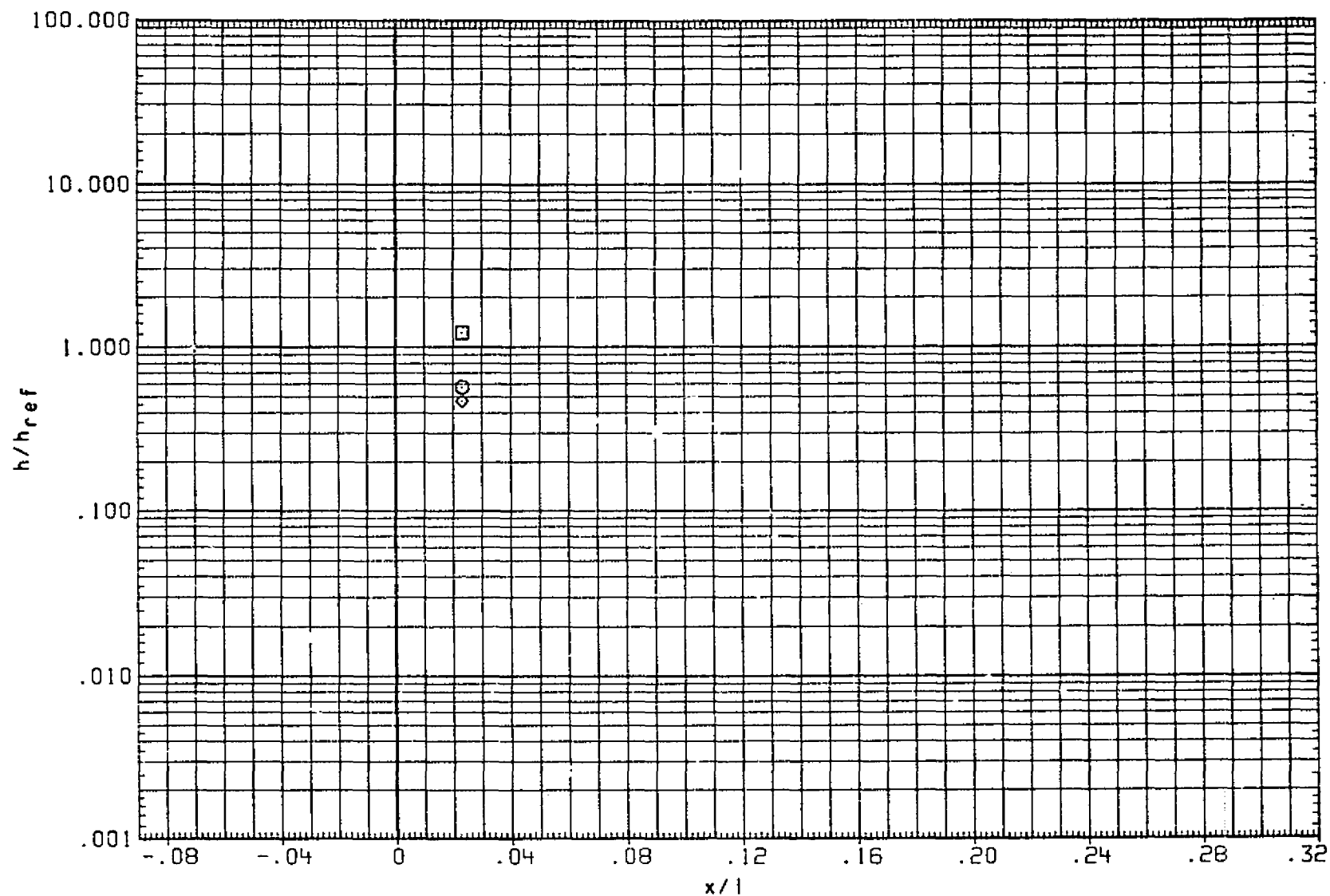


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1280

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

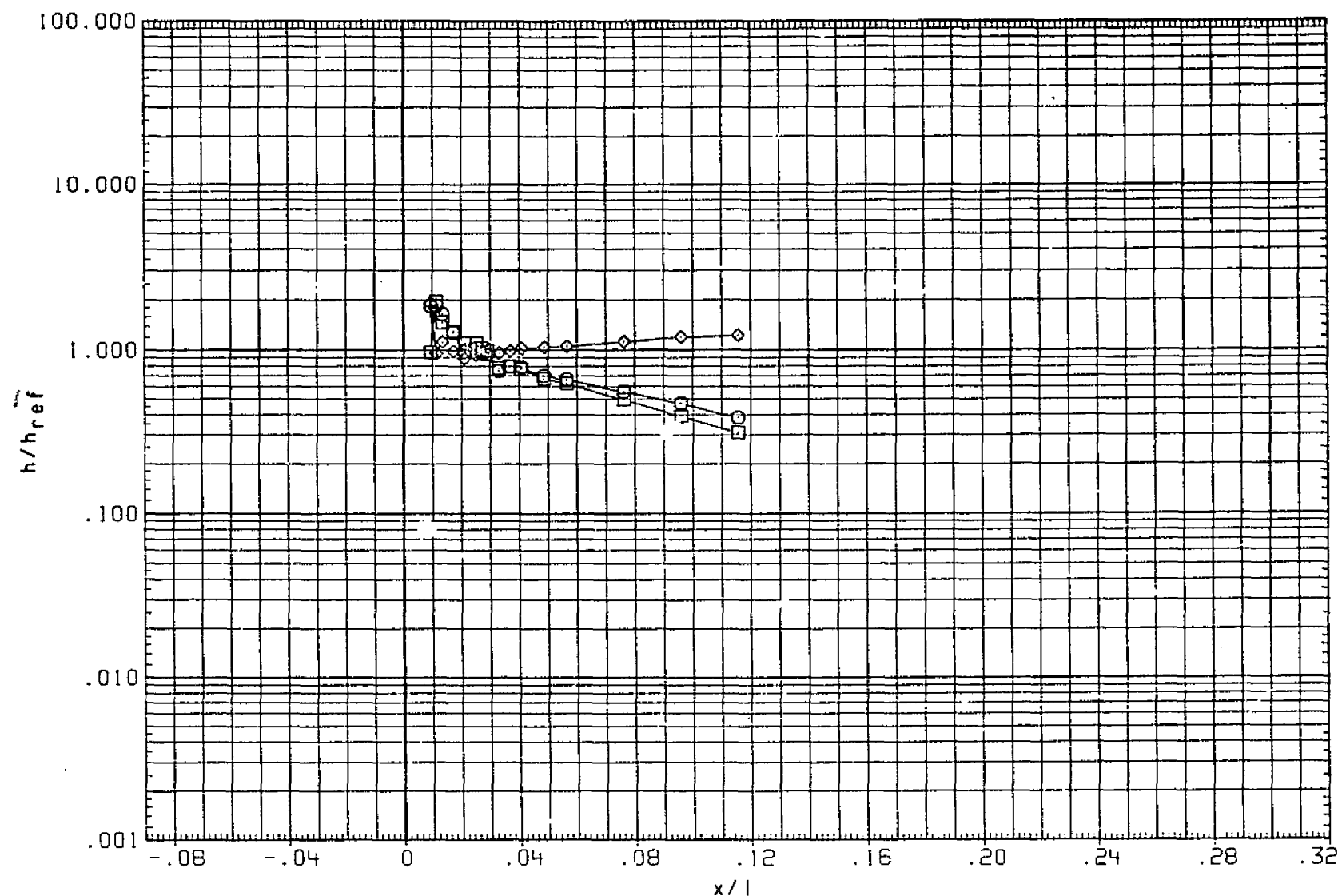


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

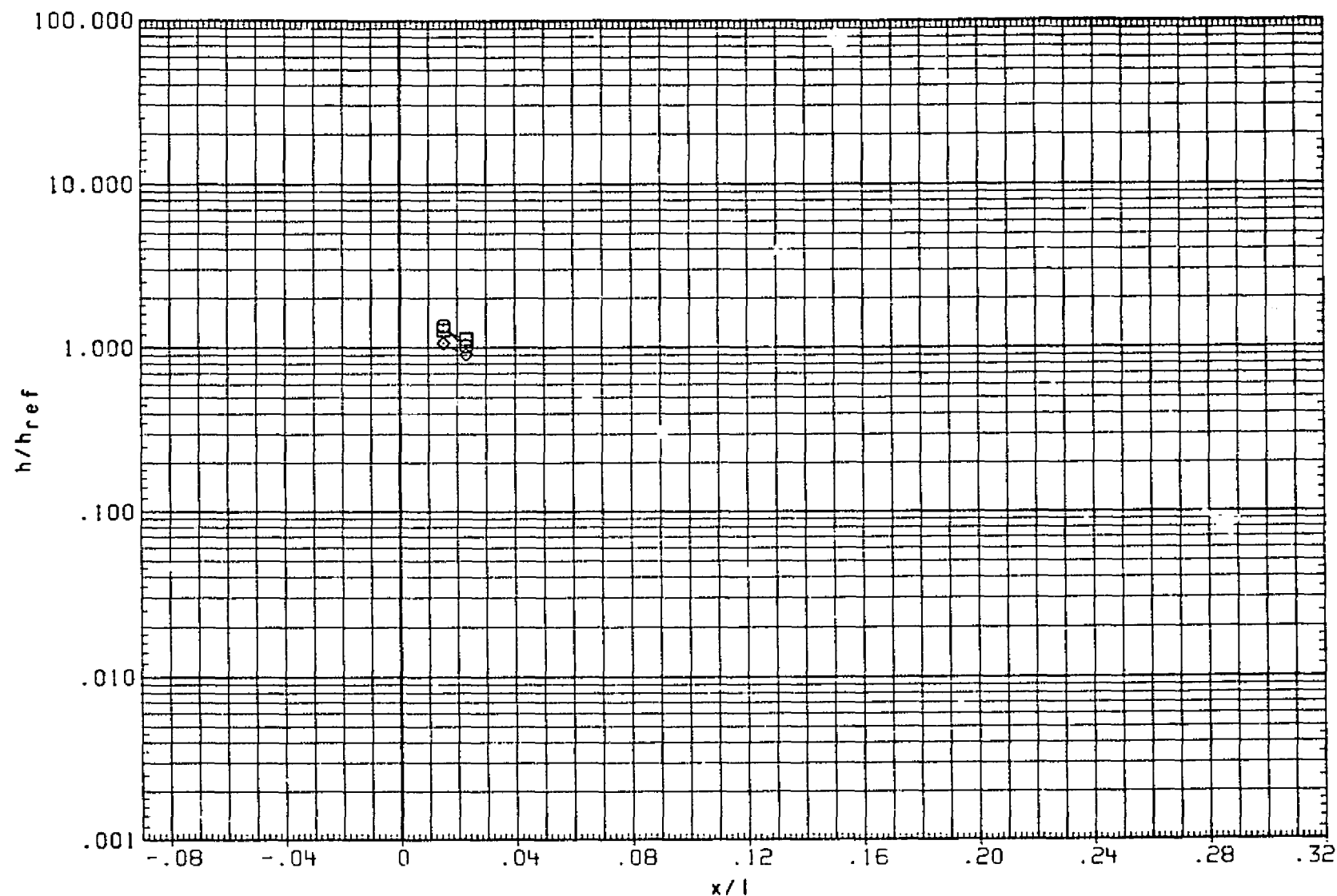


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

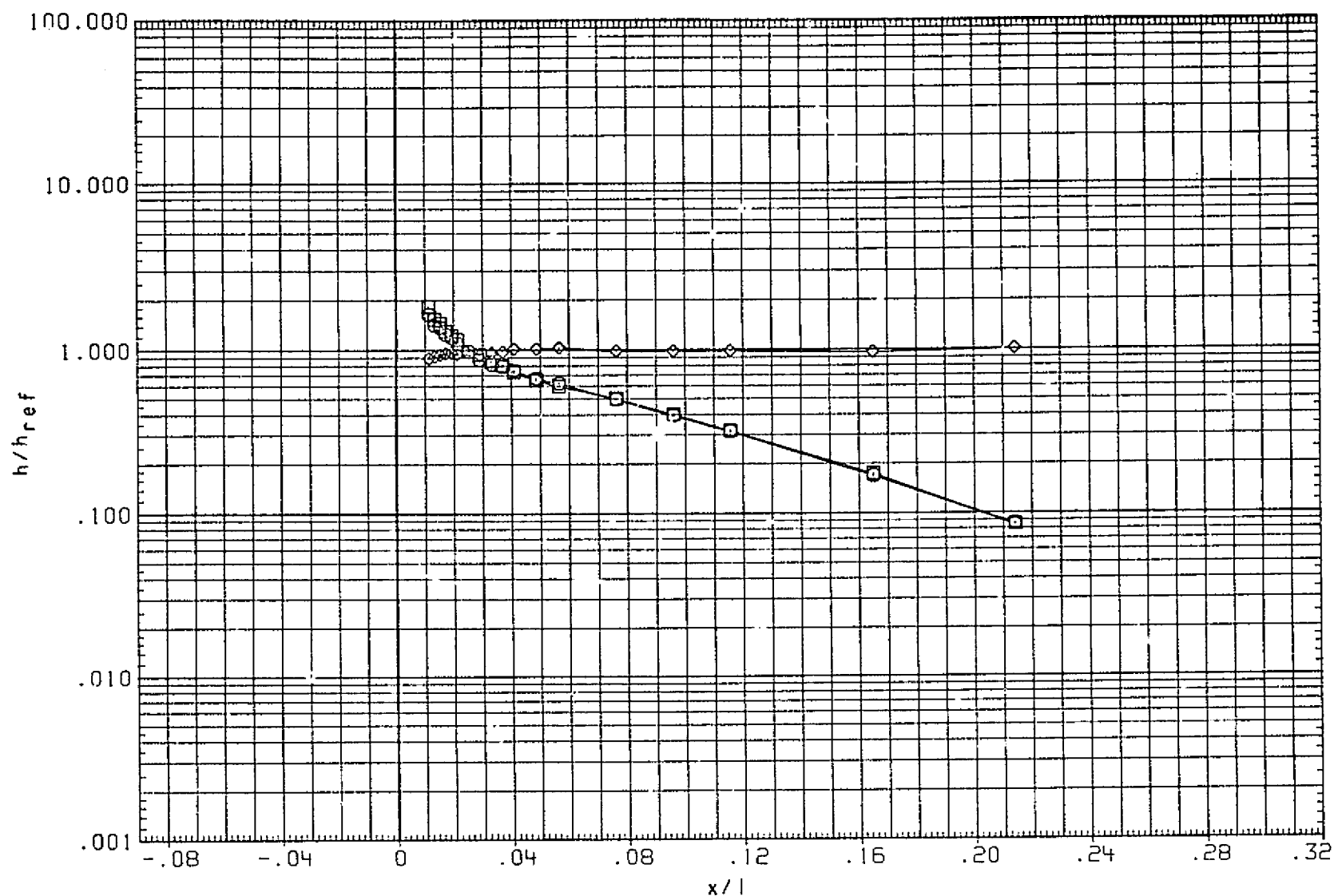


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

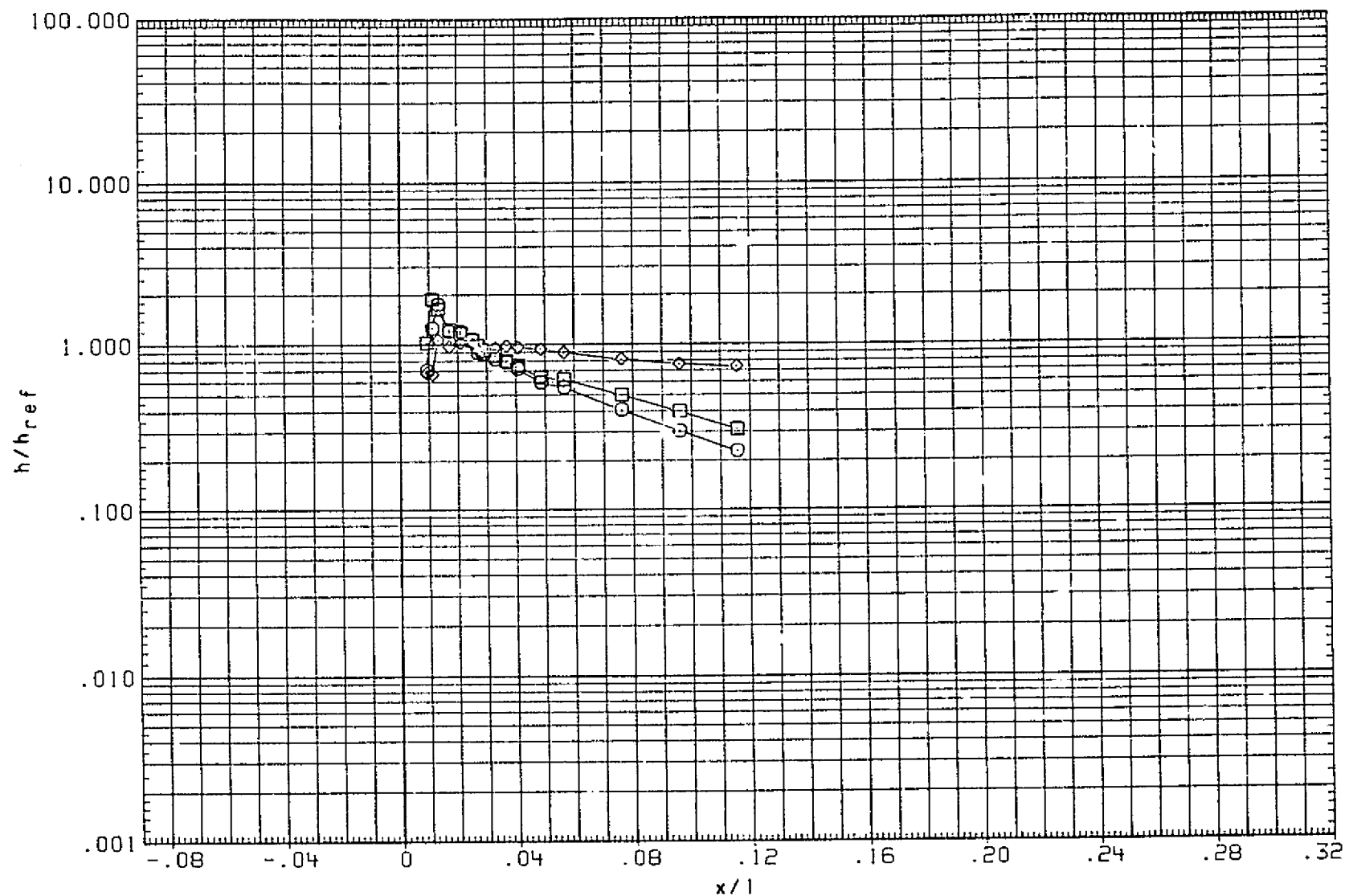


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.300	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

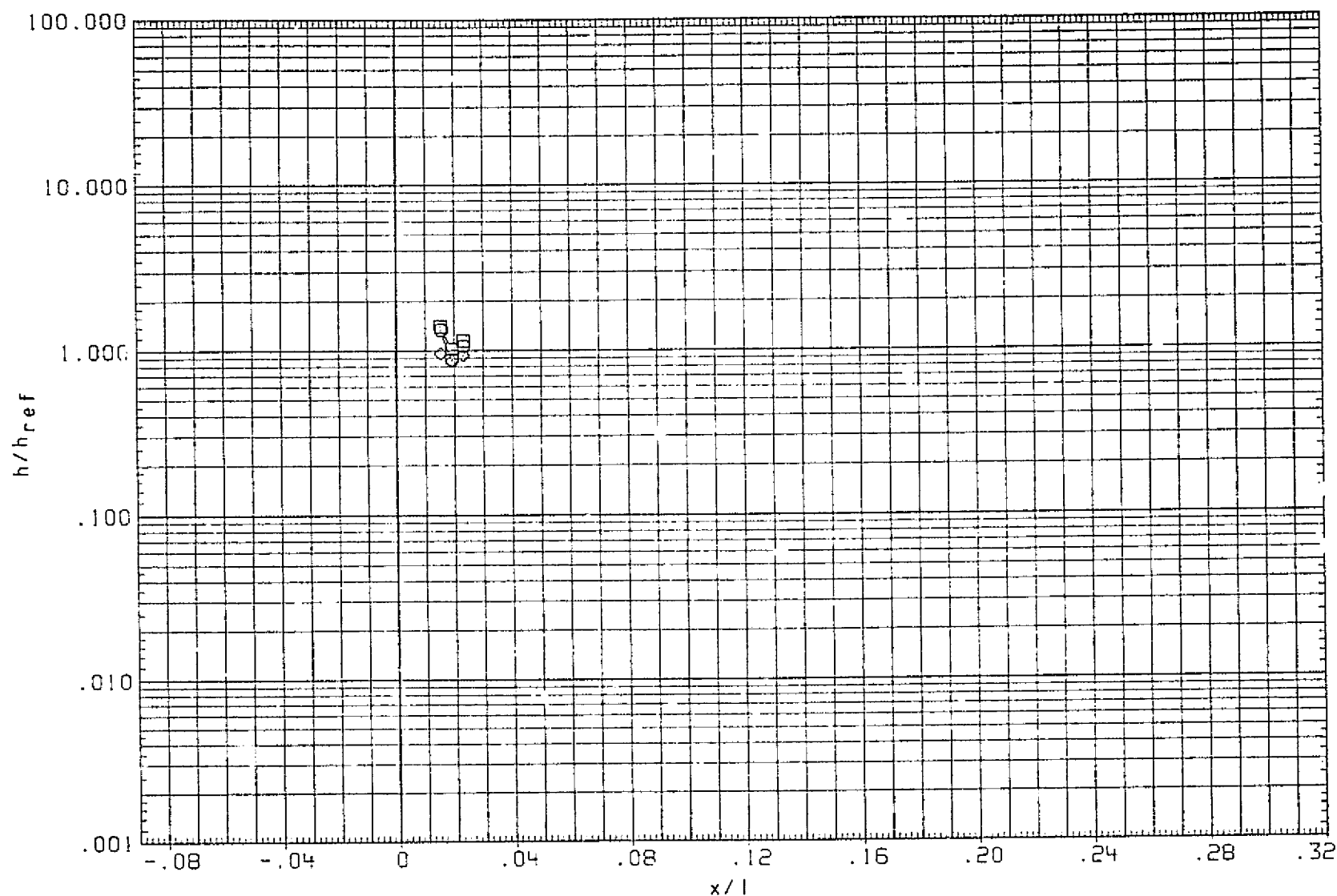


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE*PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

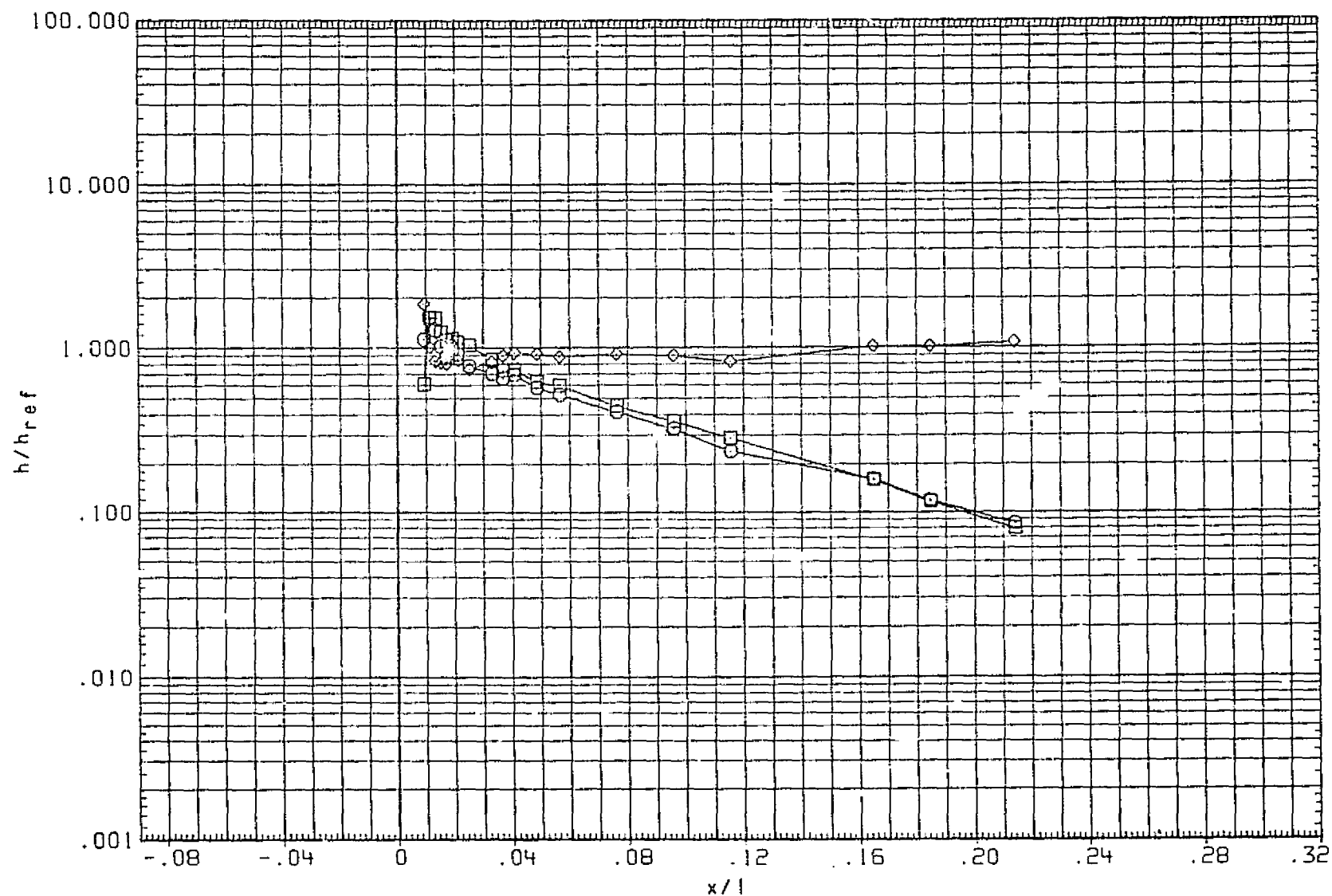


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

PAGE 1286

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

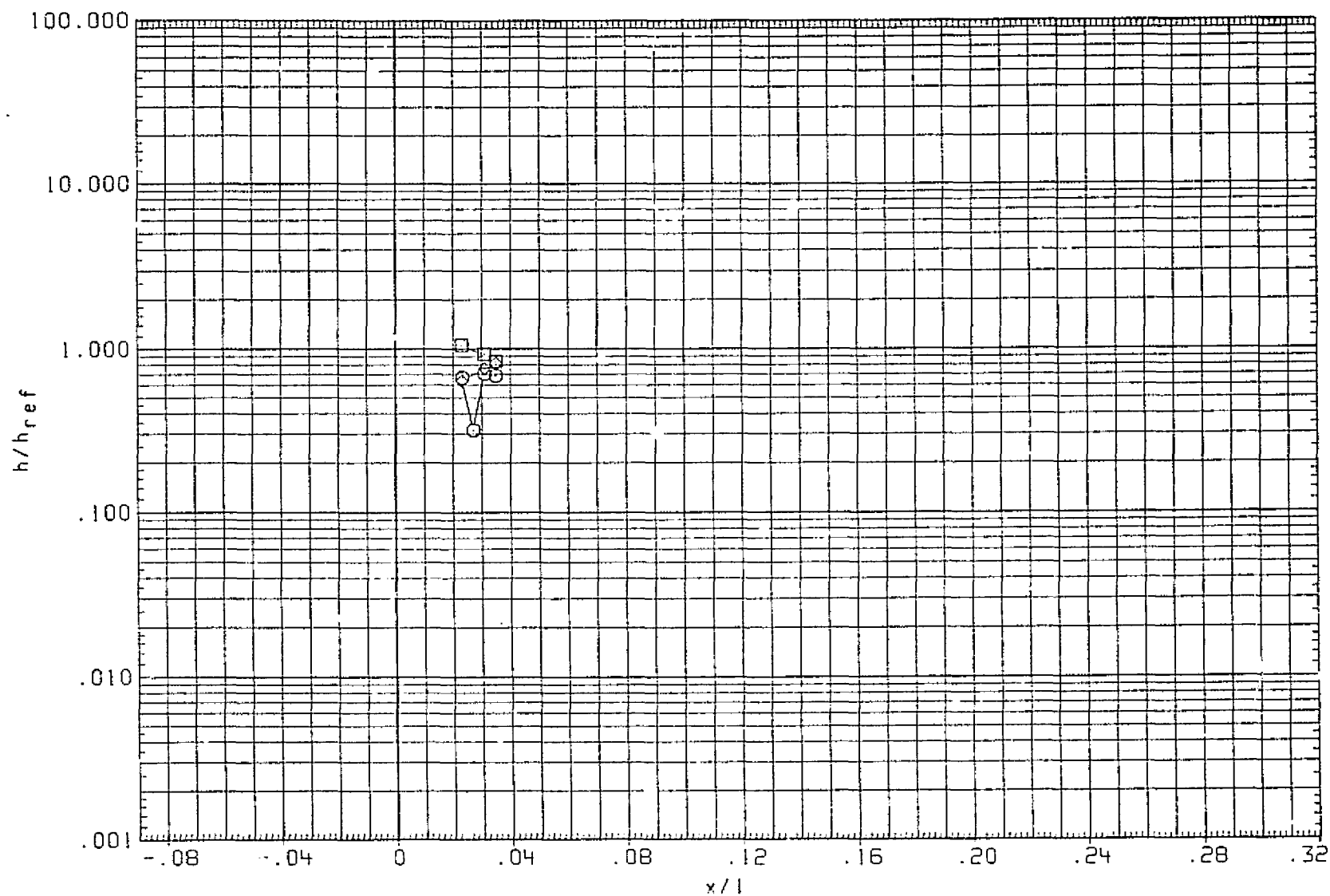


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 .BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

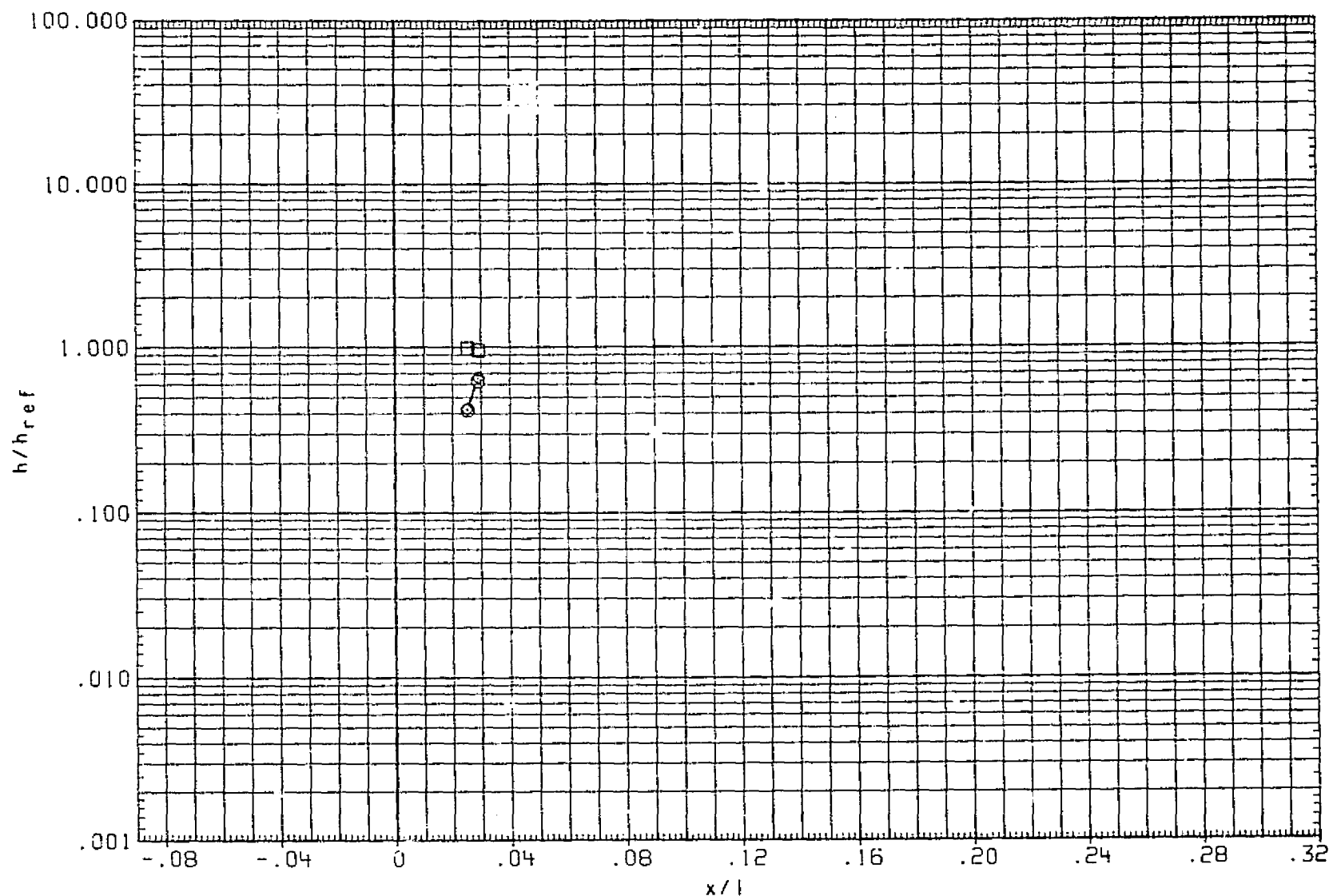


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MAC = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

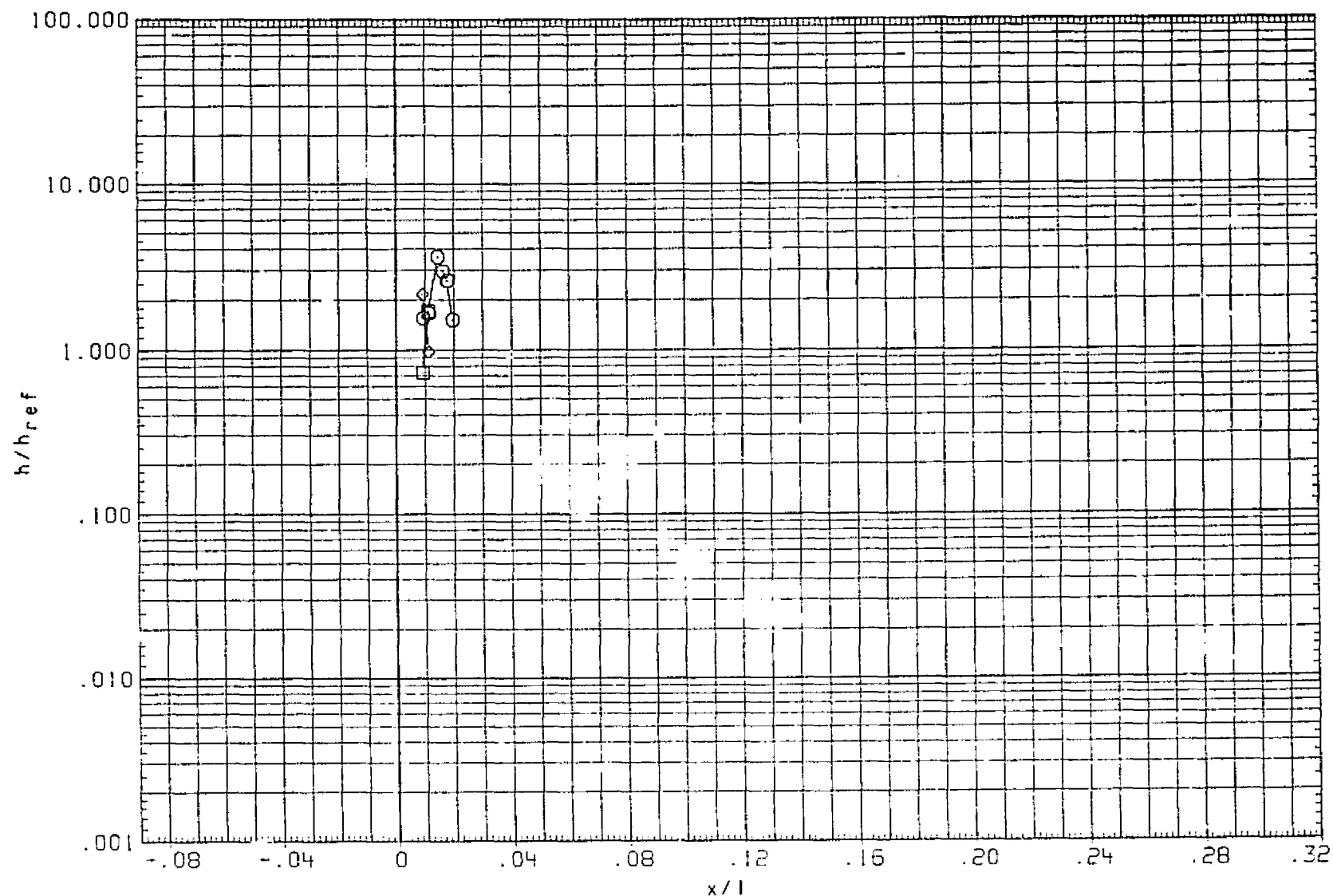


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)

ALPHA	BETA	RN/L
.000	6.000	5.000
.000	.000	5.000
.000		5.000

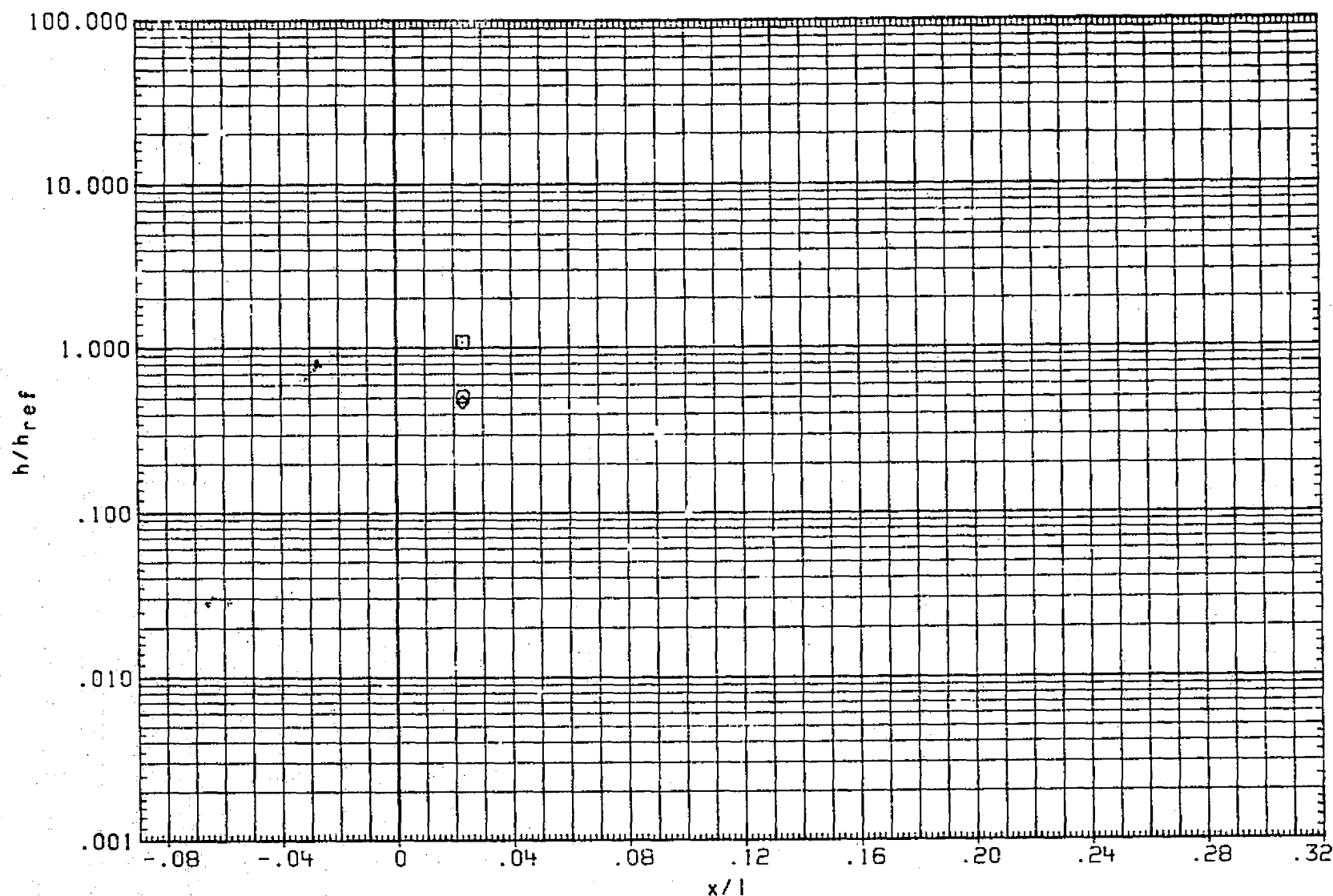


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

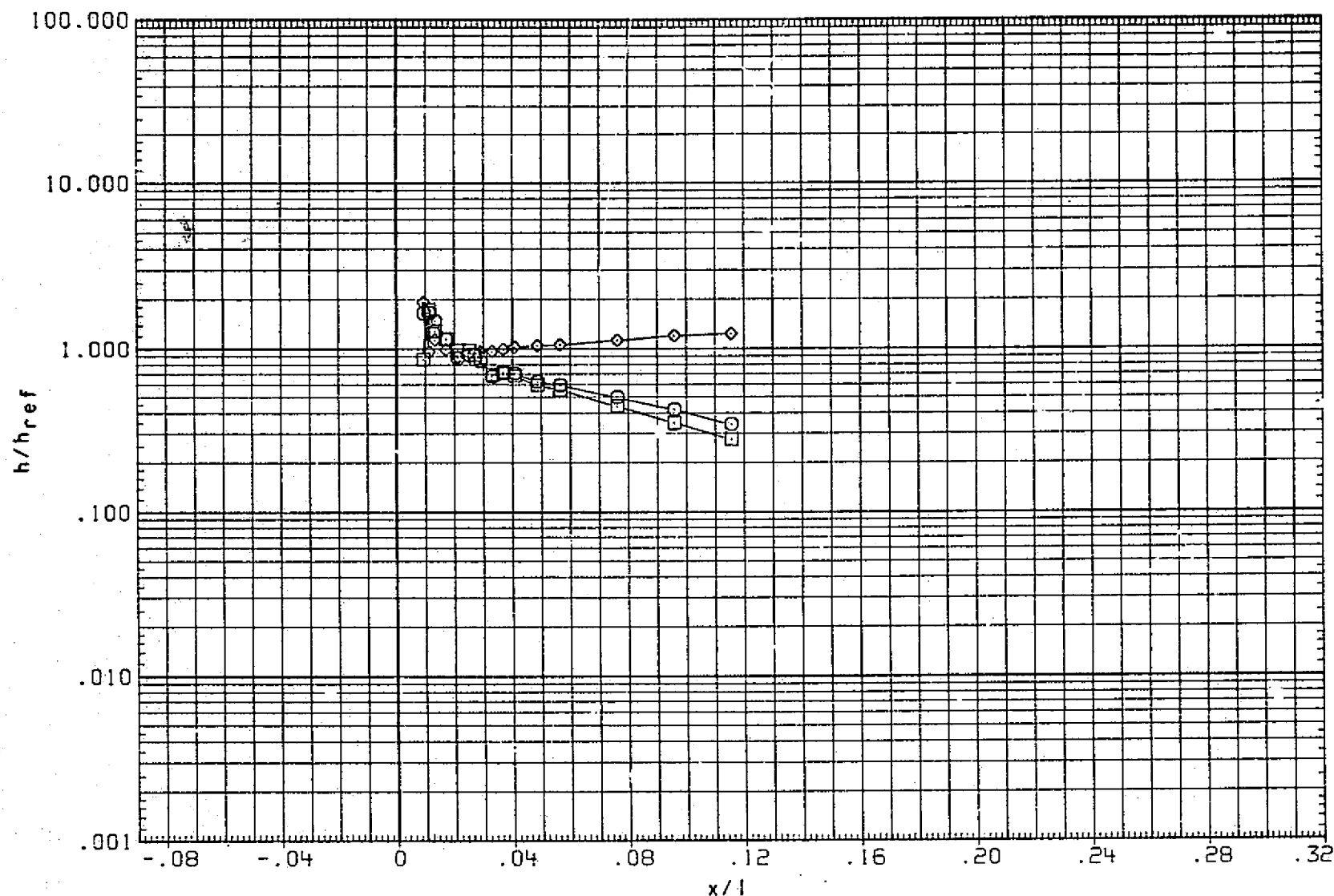


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

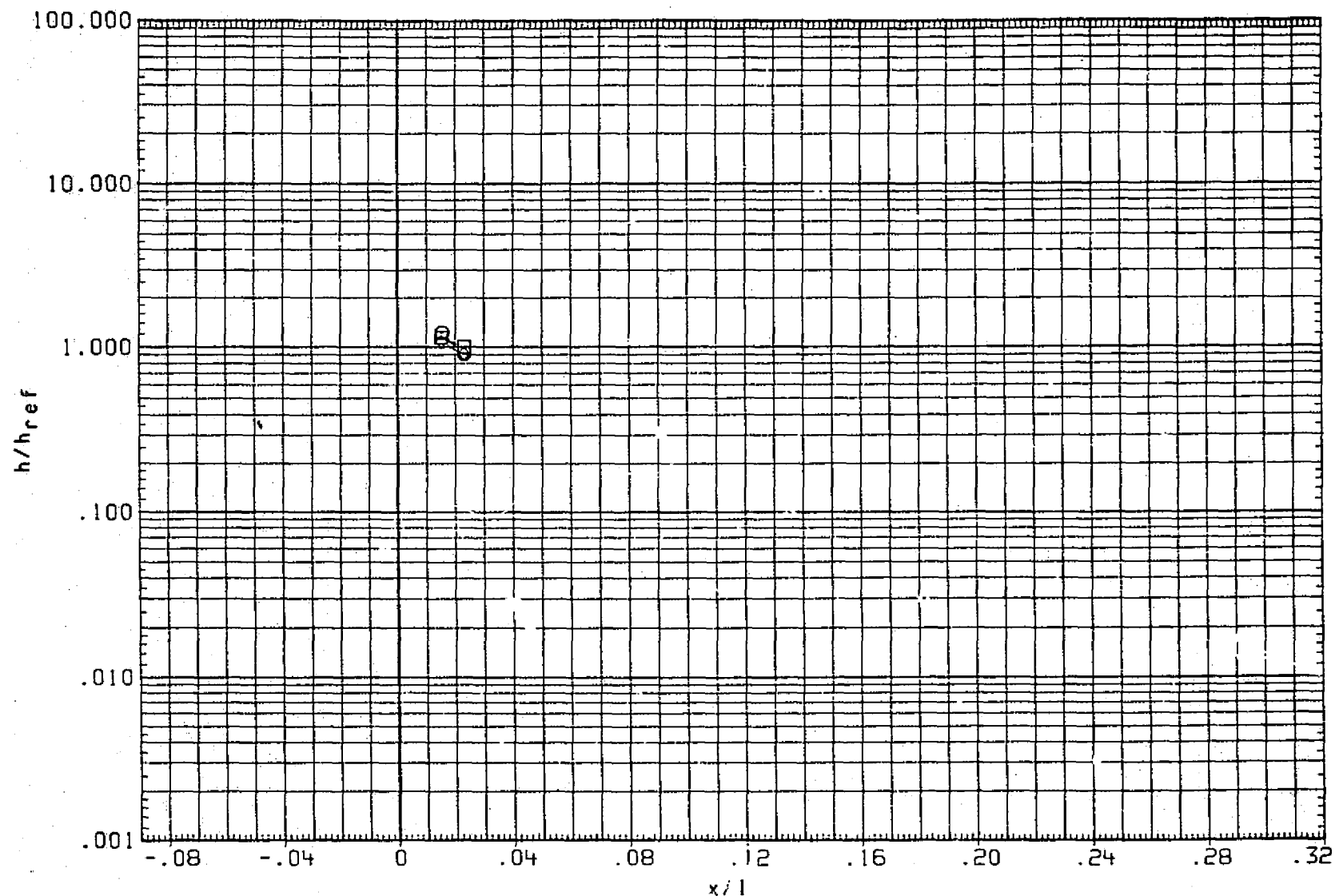


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1292

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

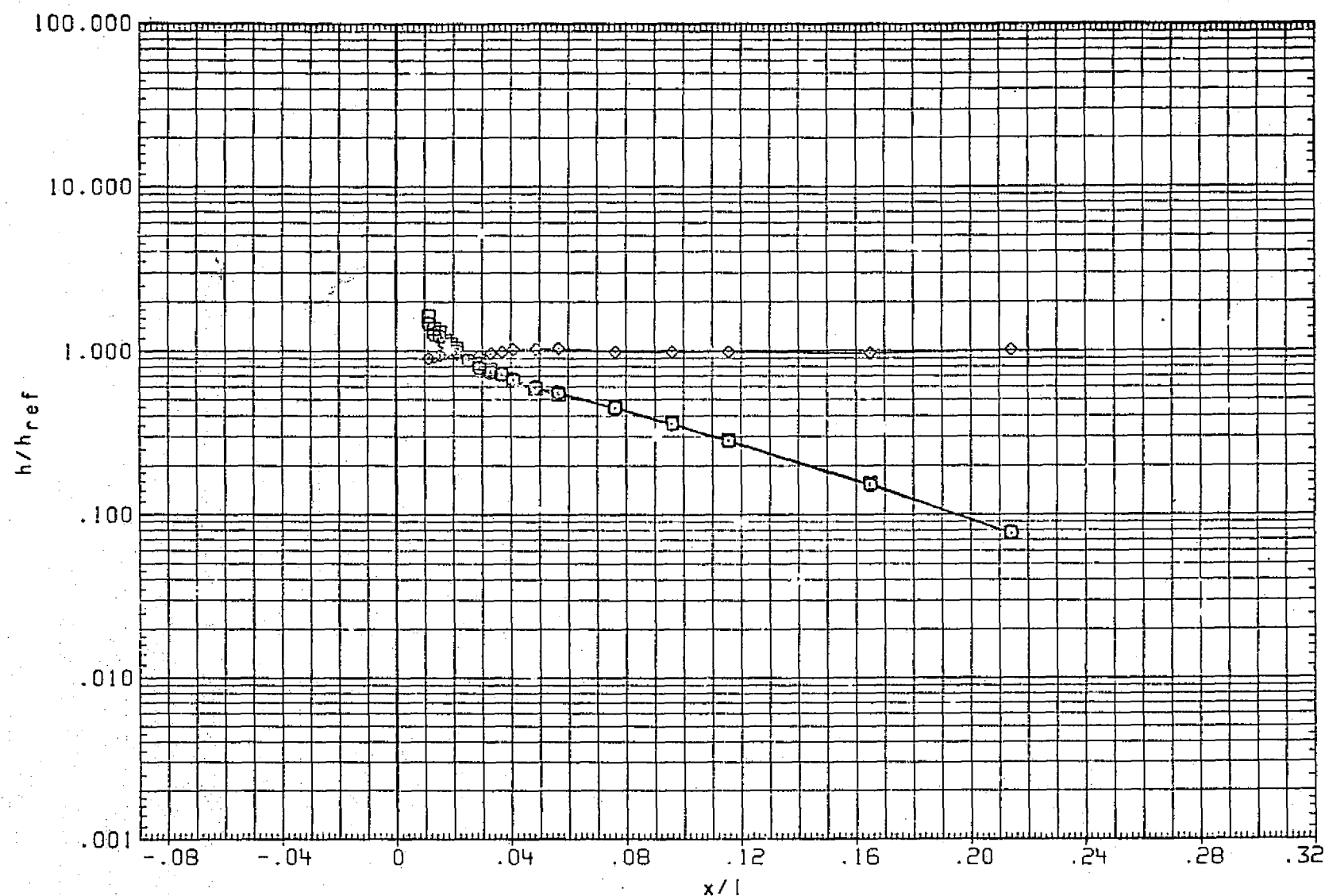


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

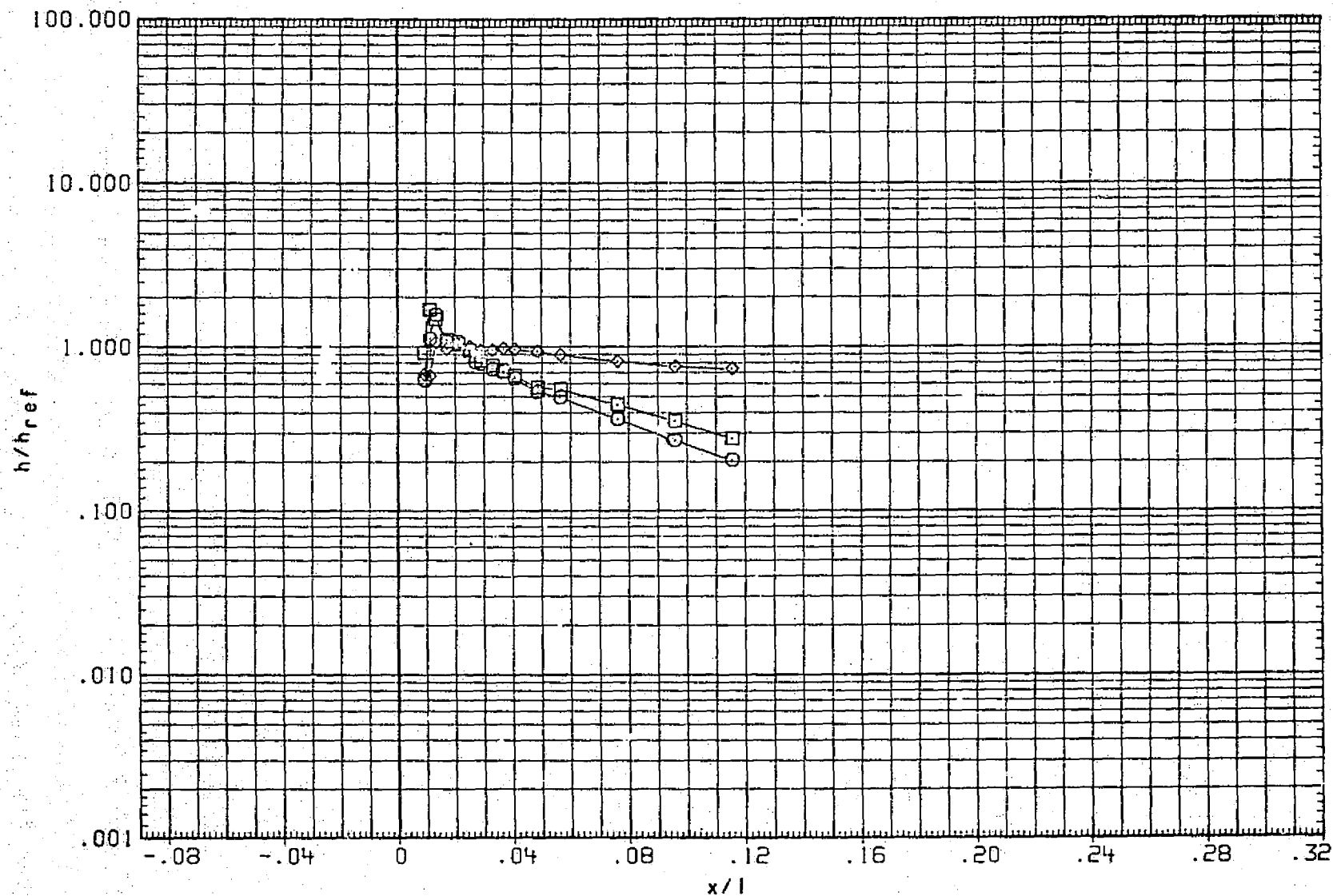


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/-0 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

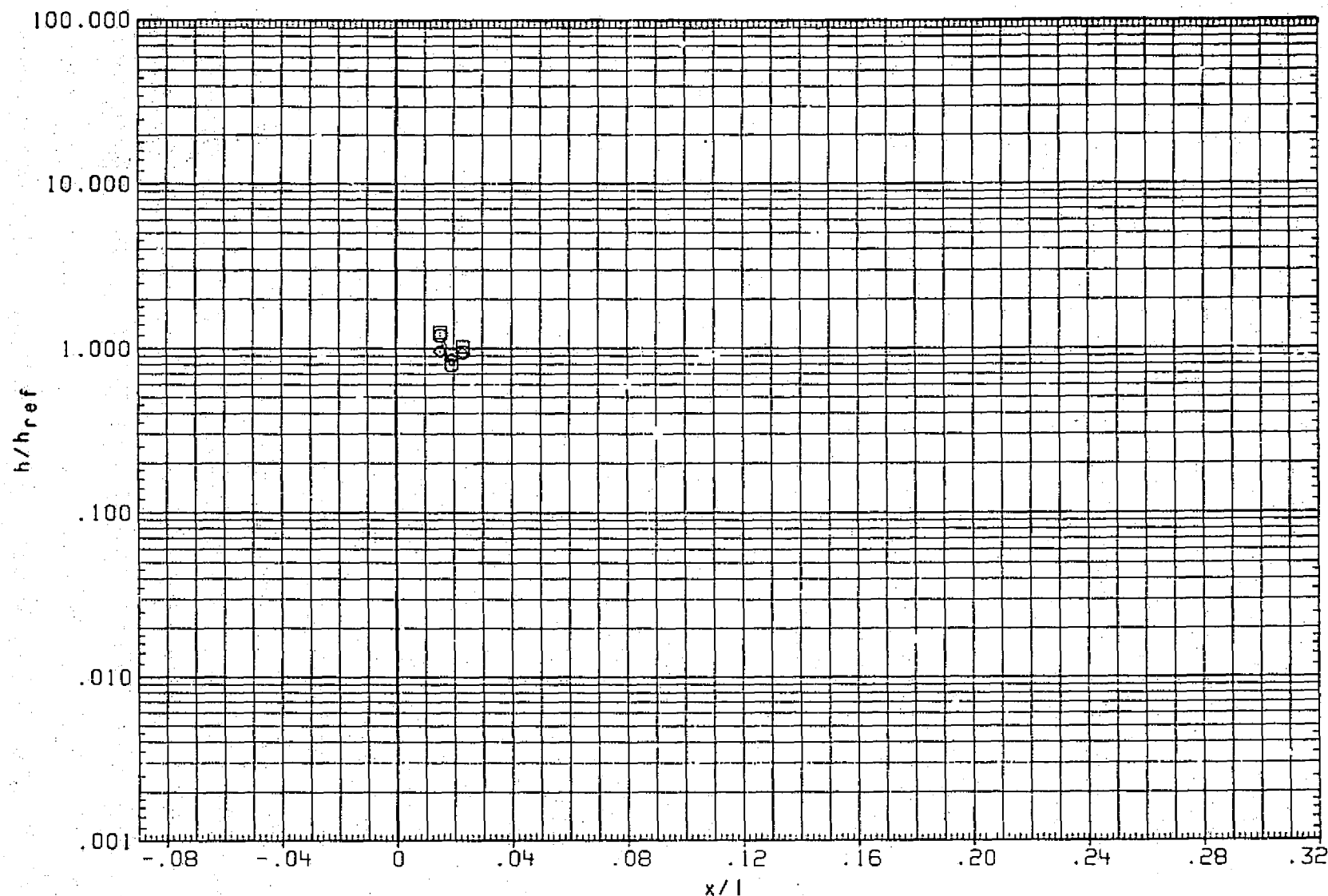


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

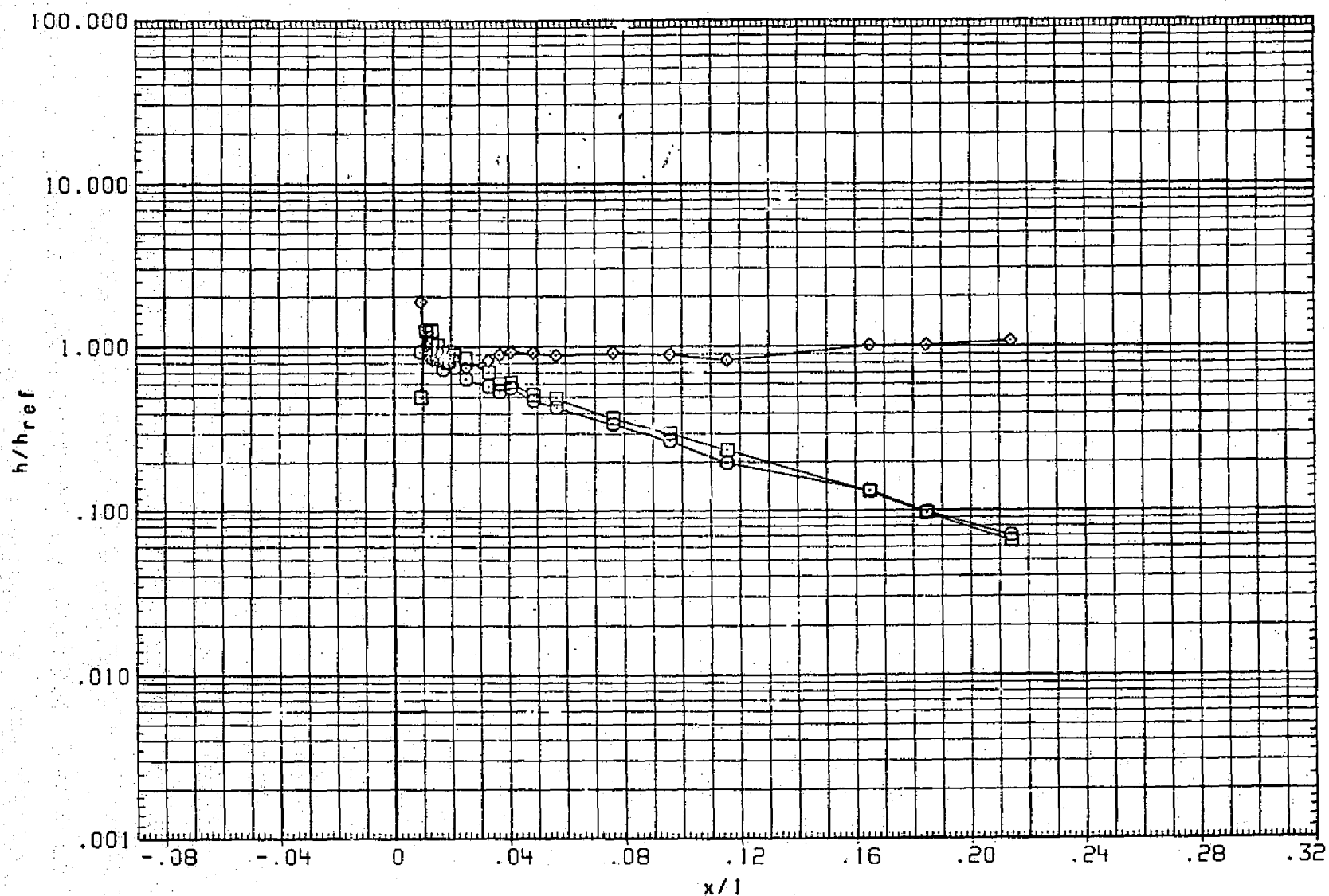


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HJ (RNTT11/RNTT20)	.000		5.000

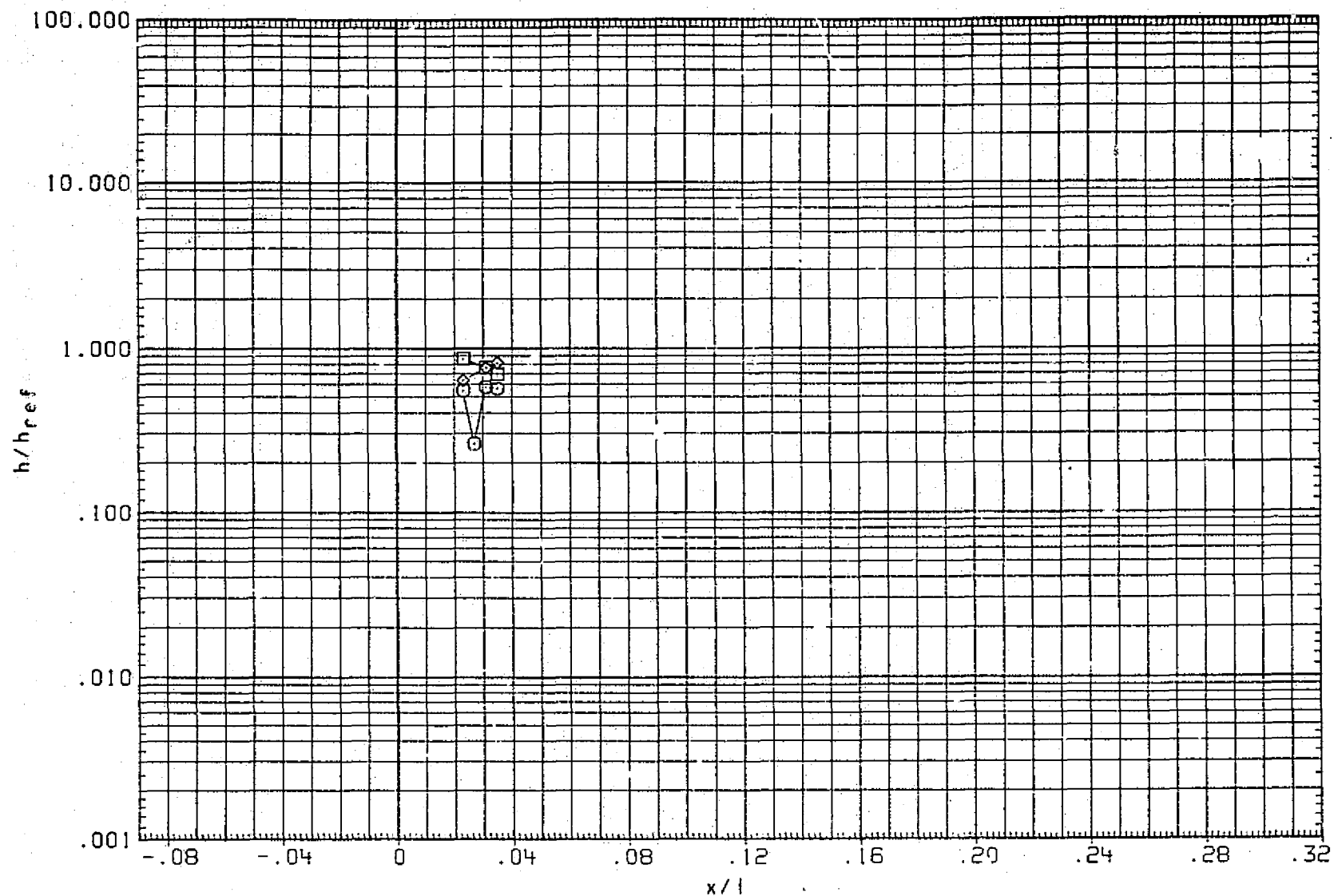


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

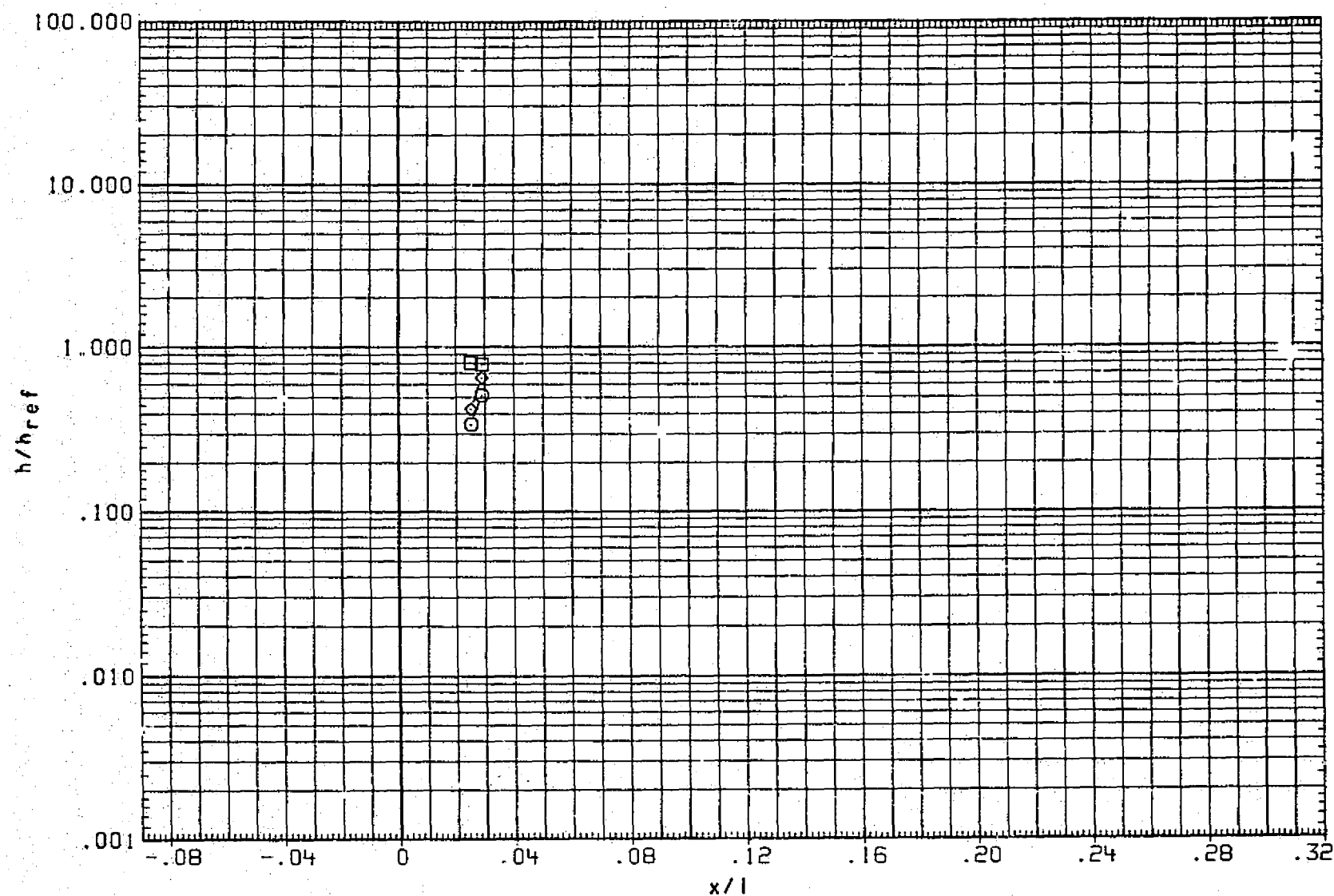


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1298

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT11	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
RNTT20	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
RNTT11	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000		5.000

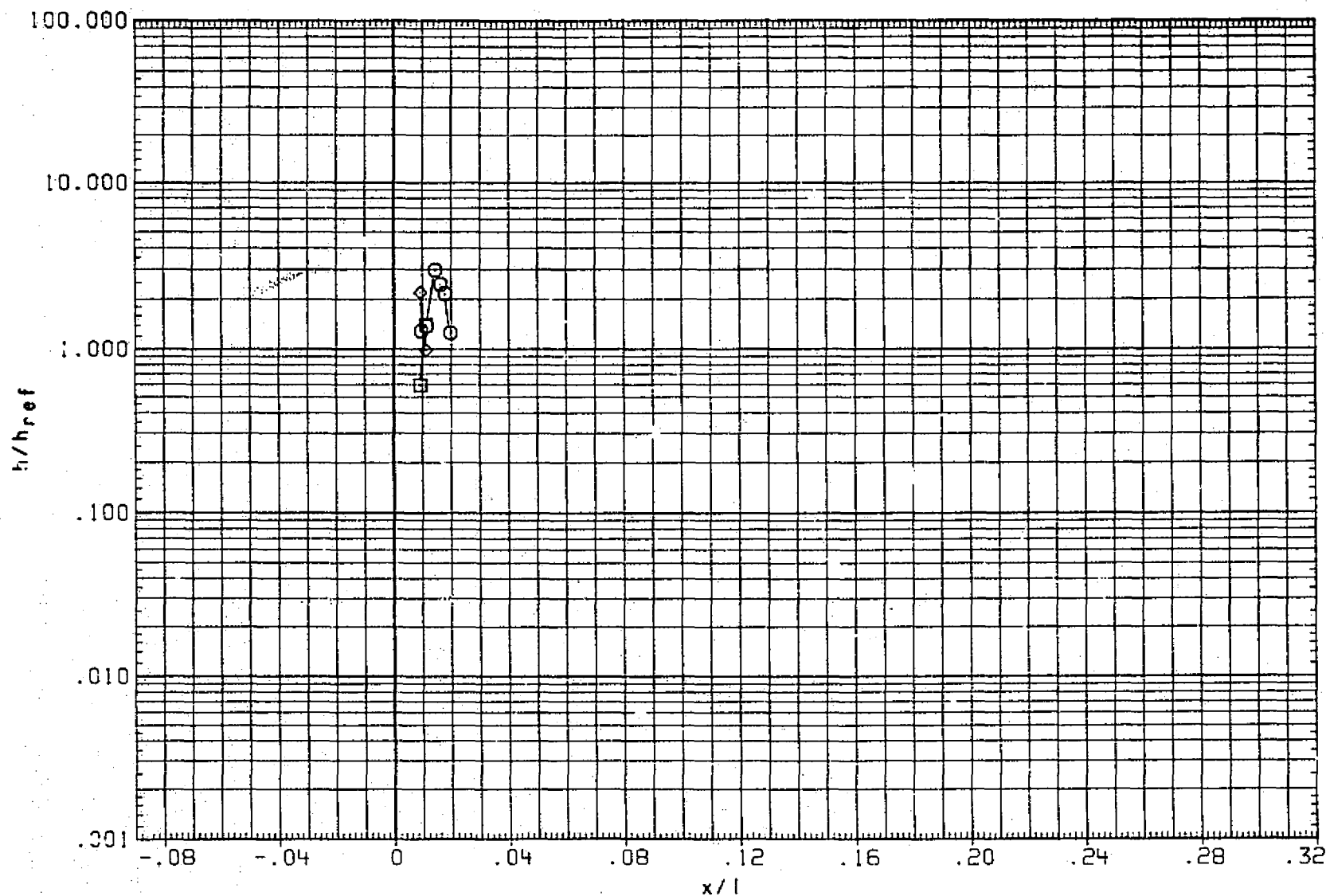


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT11	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	5.000	5.000
RNTT20	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
CNTT11	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

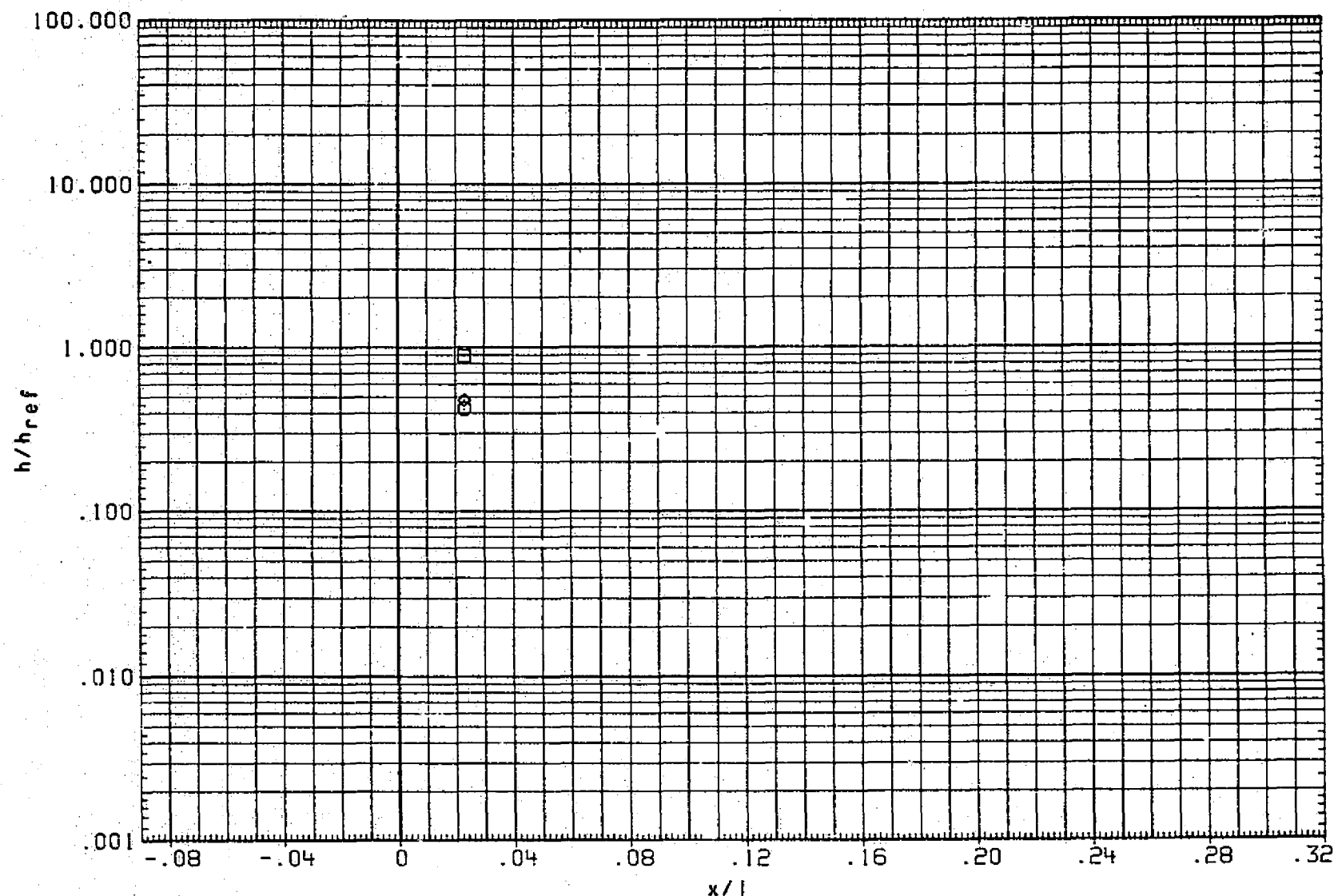


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1300

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) H1/HU (RNTT11/RNTT20)	.000	.000	5.000

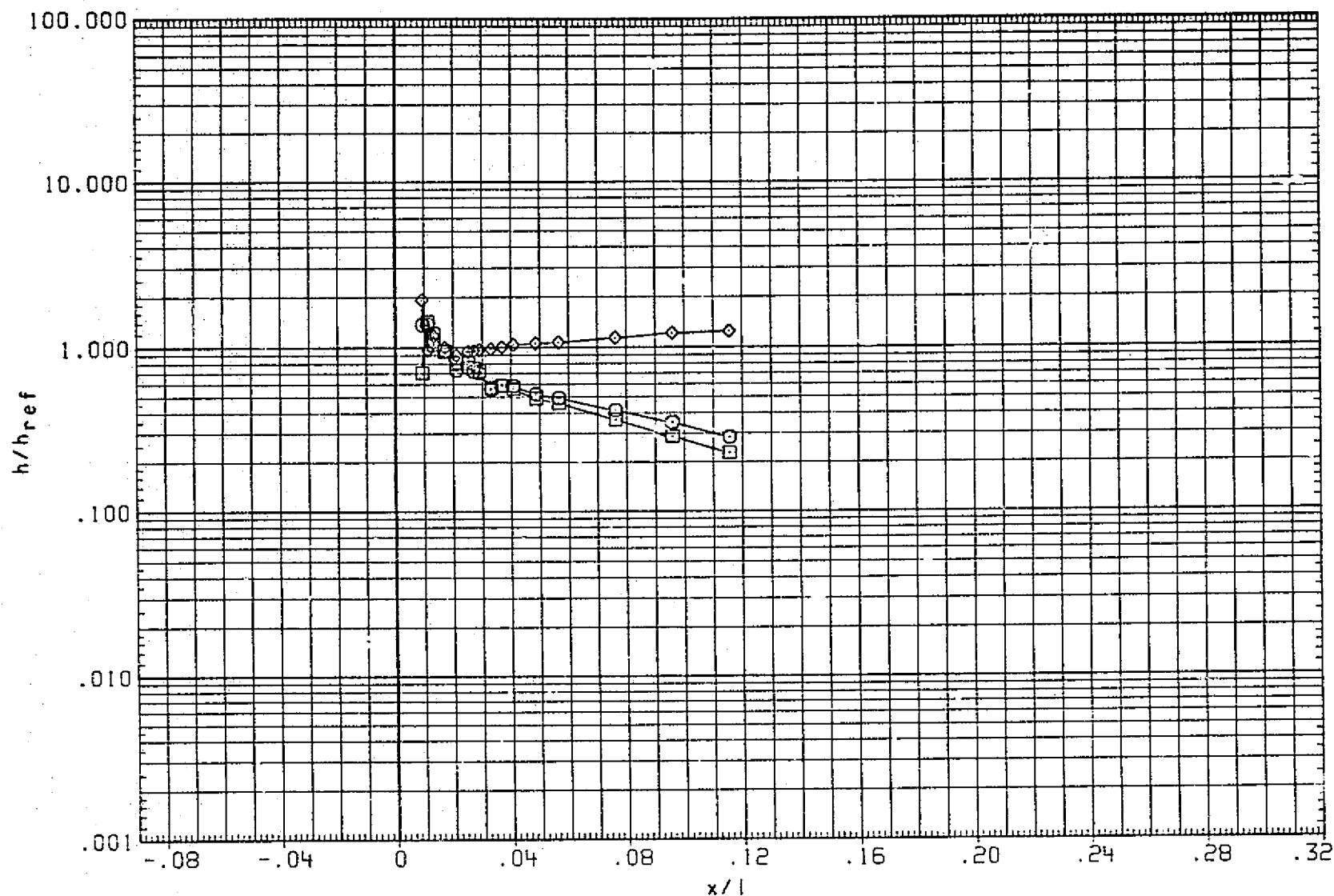


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

PAGE 1301



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-2.5(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

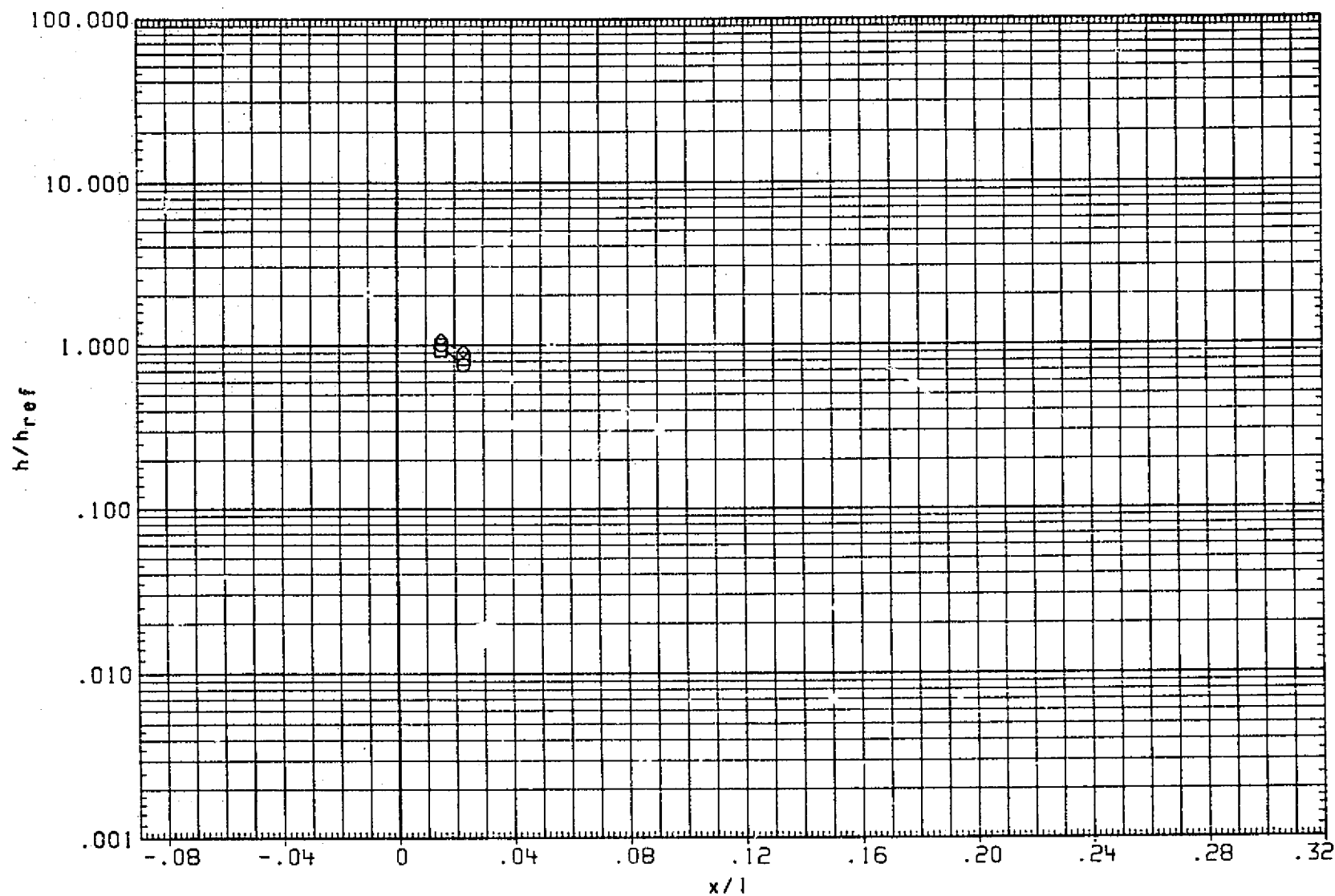


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1302

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

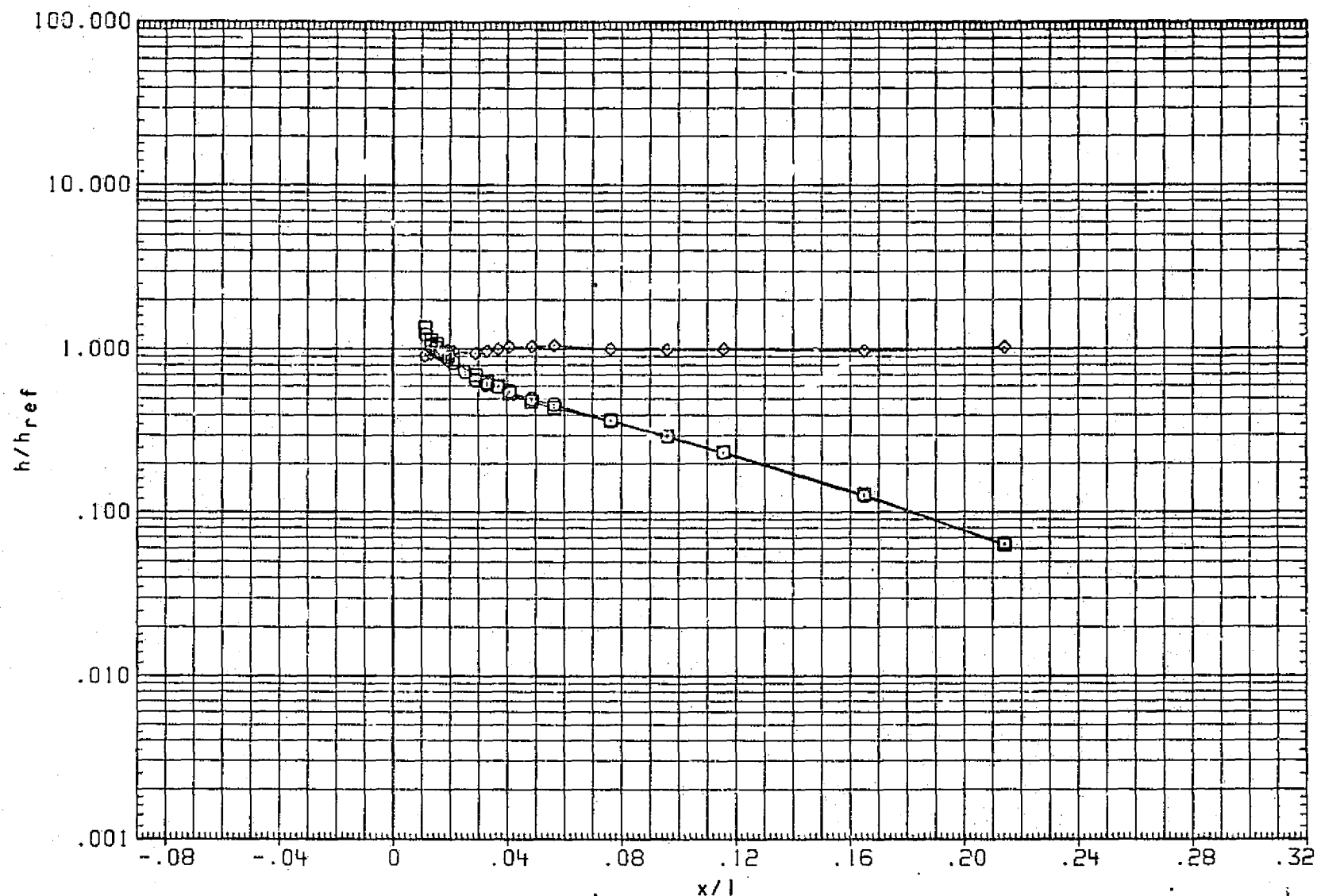


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

PAGE 1303

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

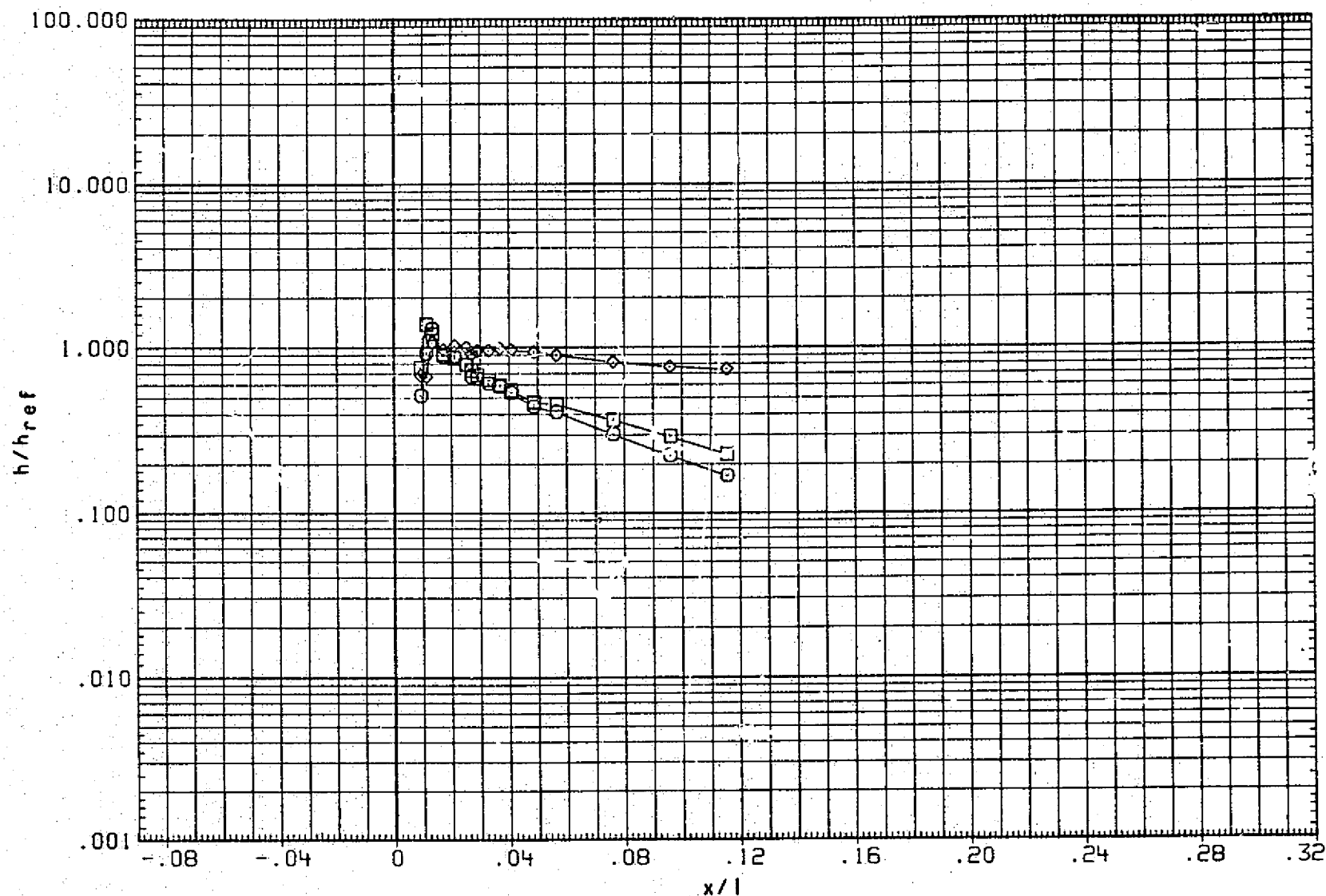


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT11)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT11)	◇	ARC3.5-215(FH14) HI/HU (RNTT11/RNTT20)	.000		5.000

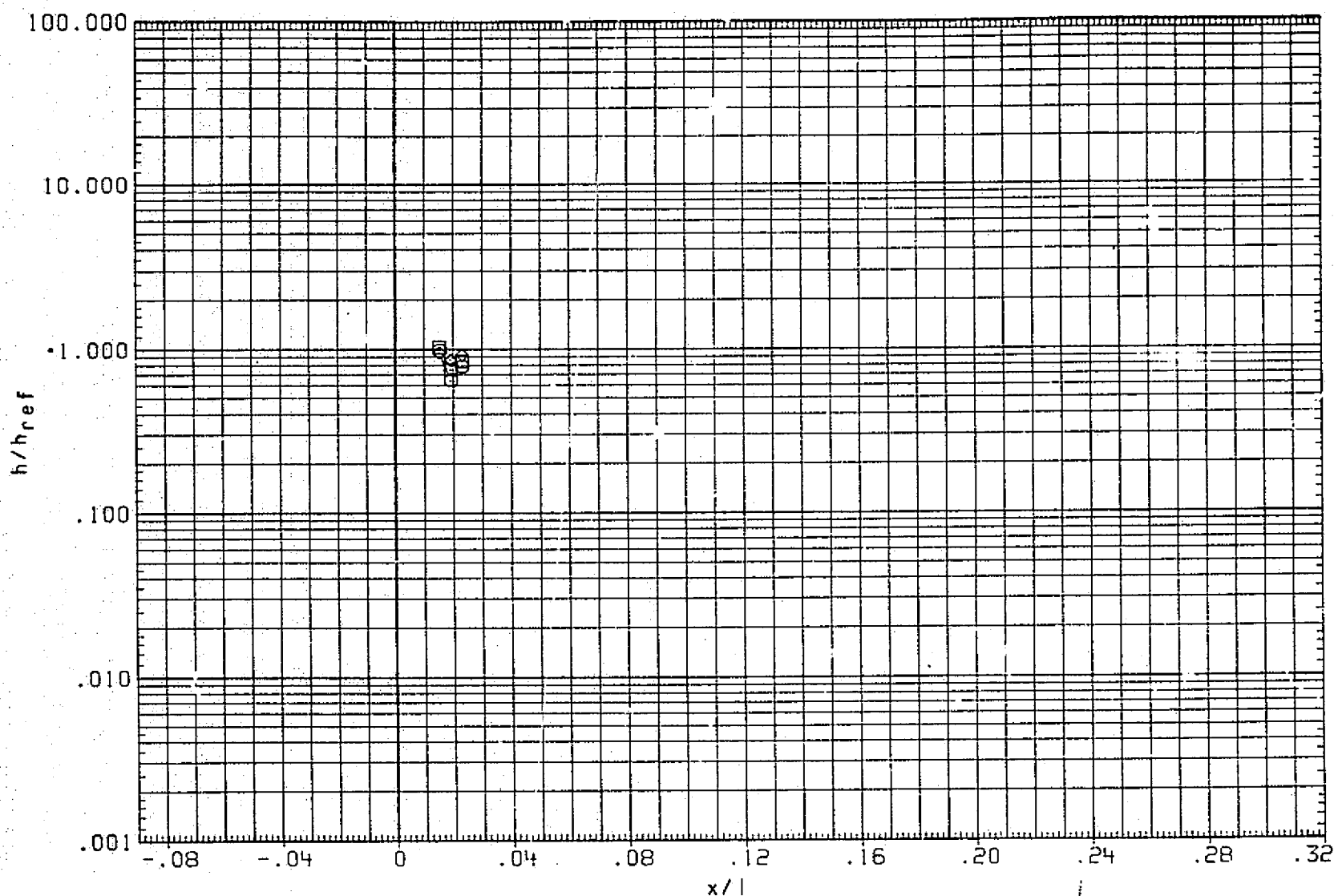


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

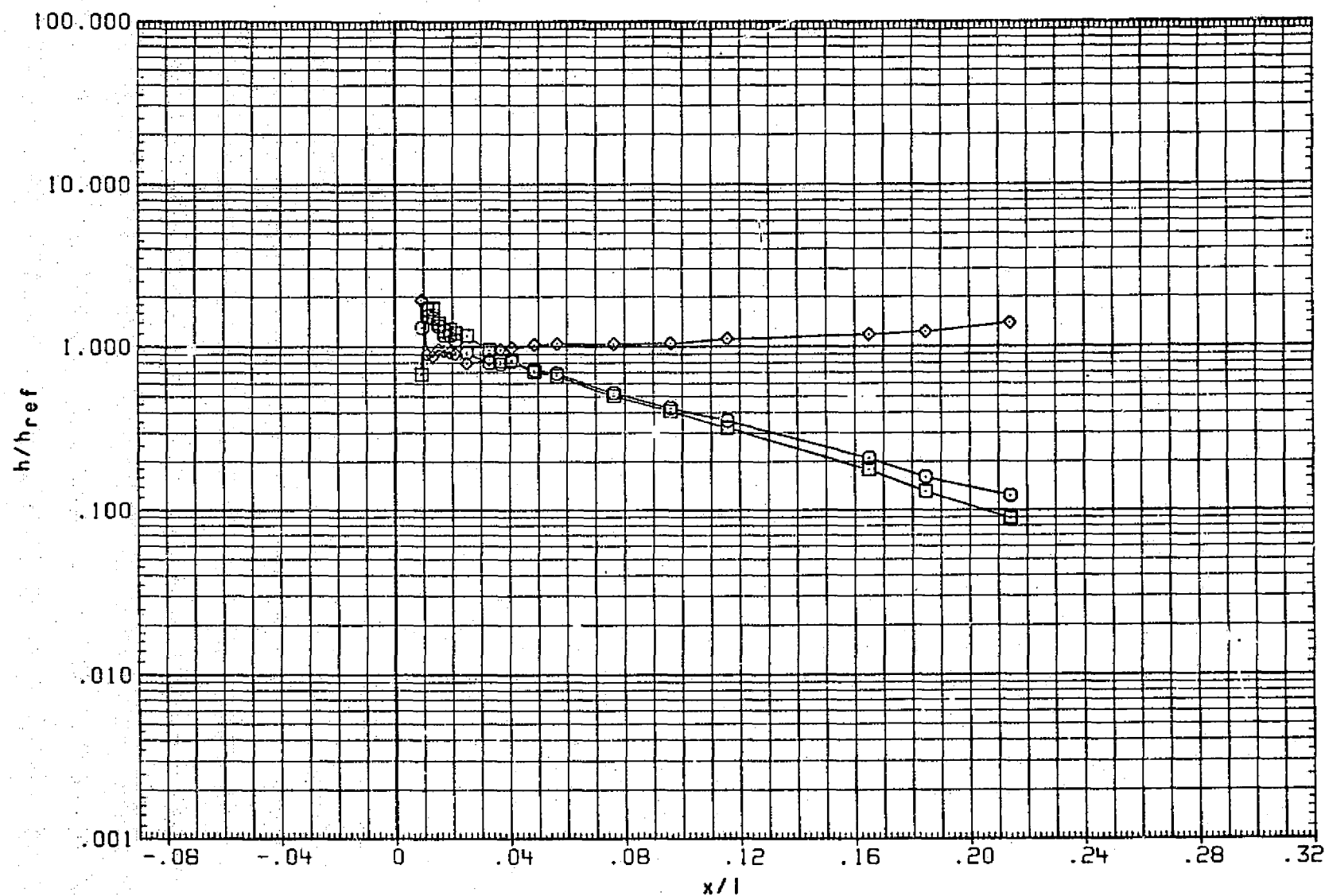


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

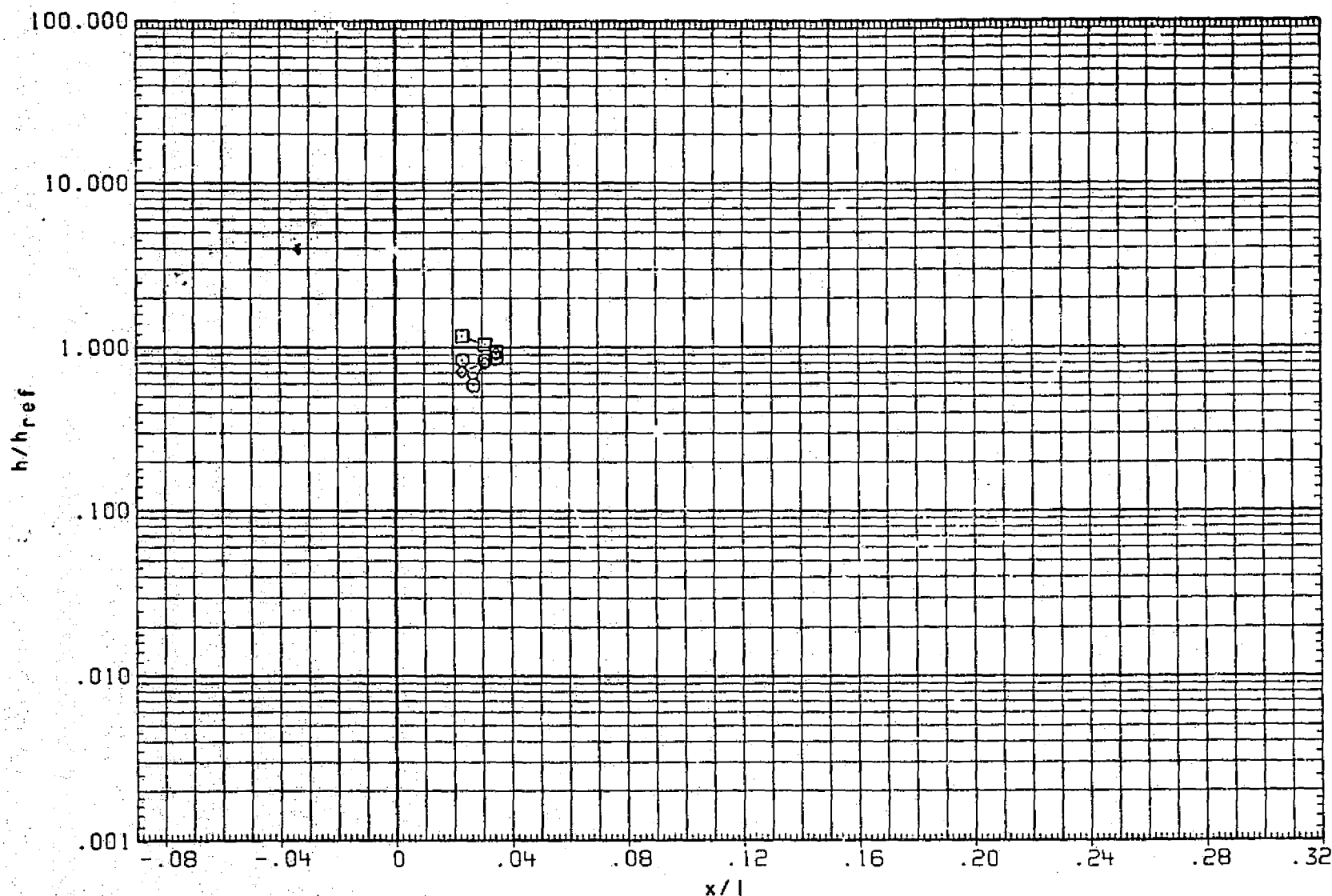


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

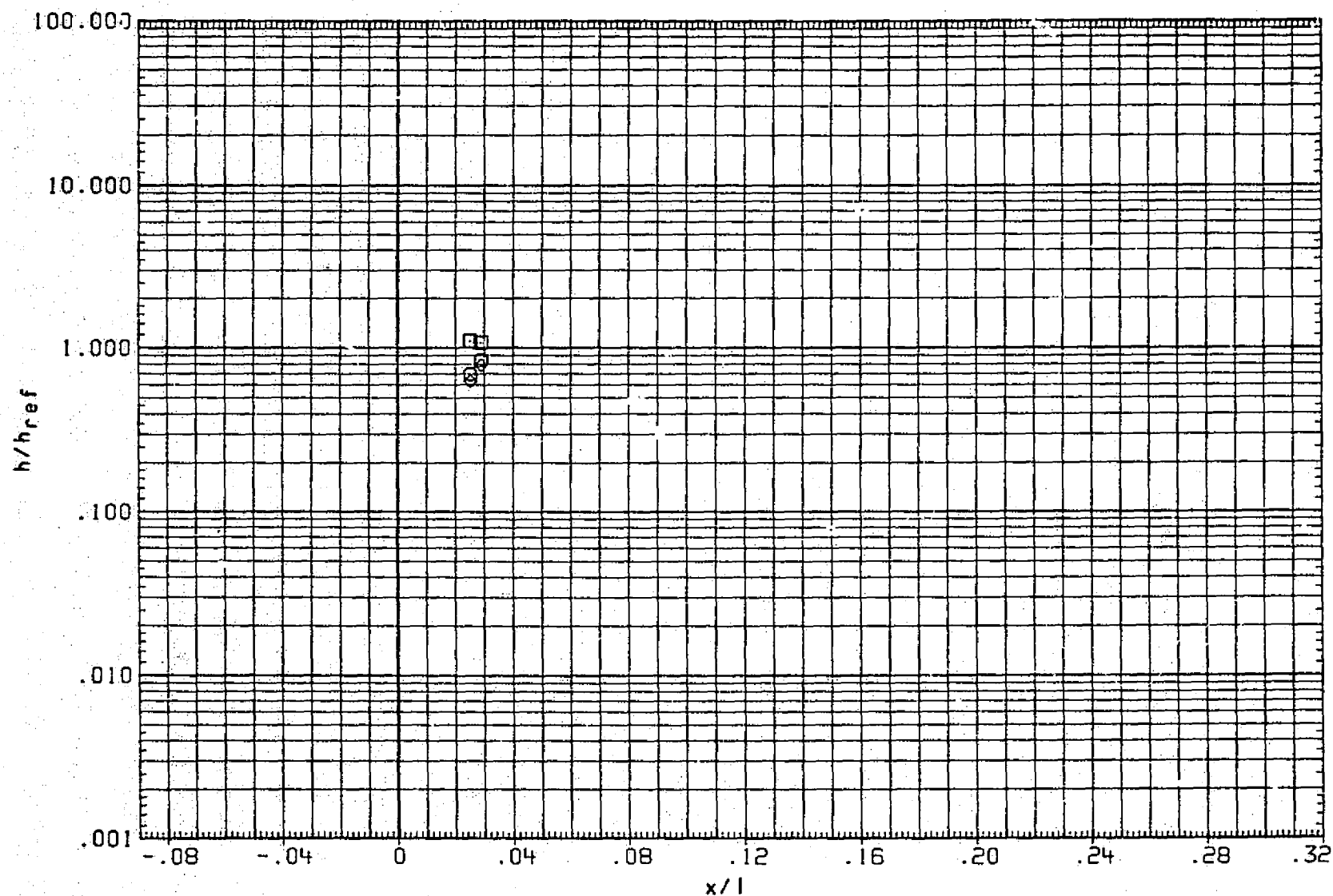


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1308

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

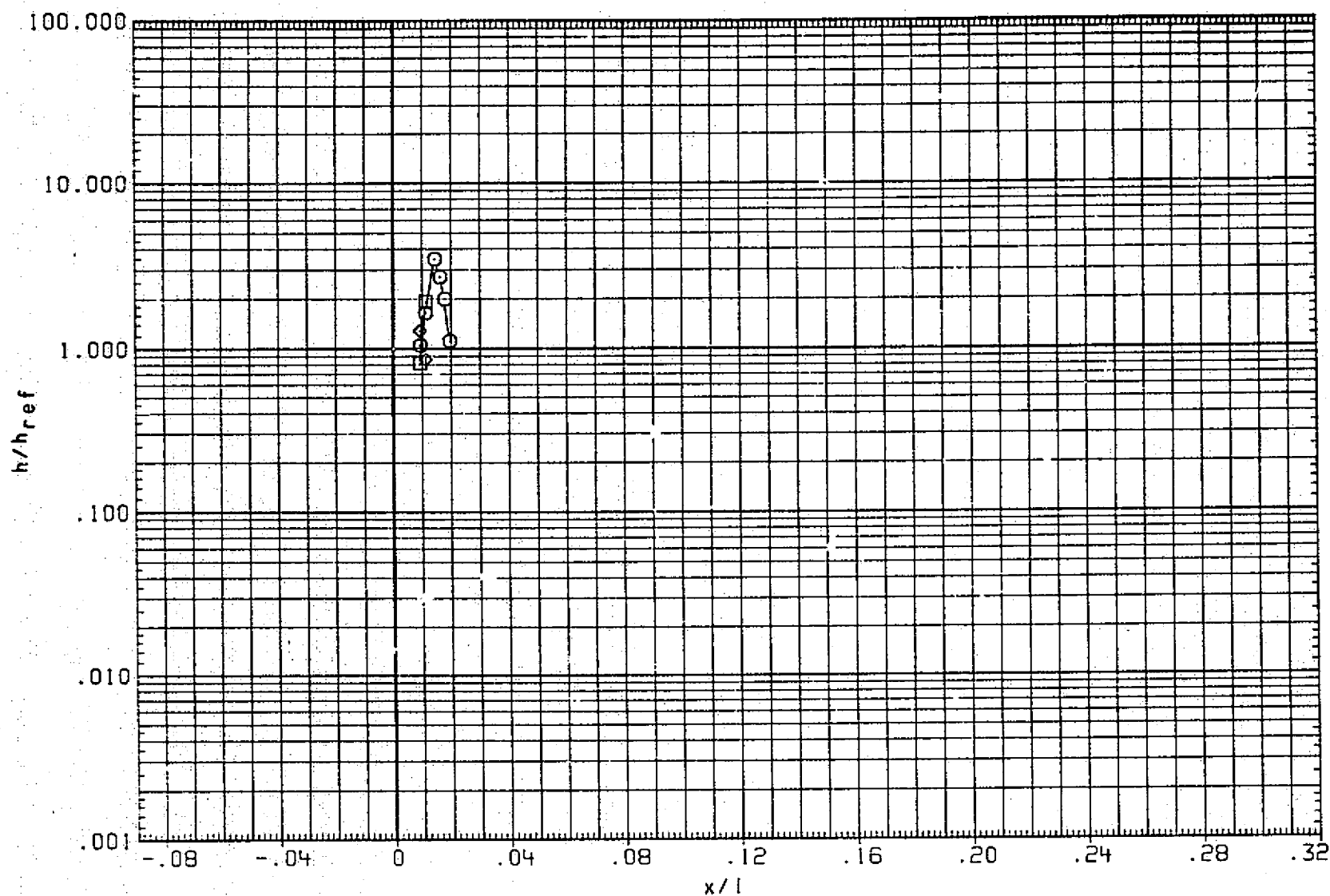


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

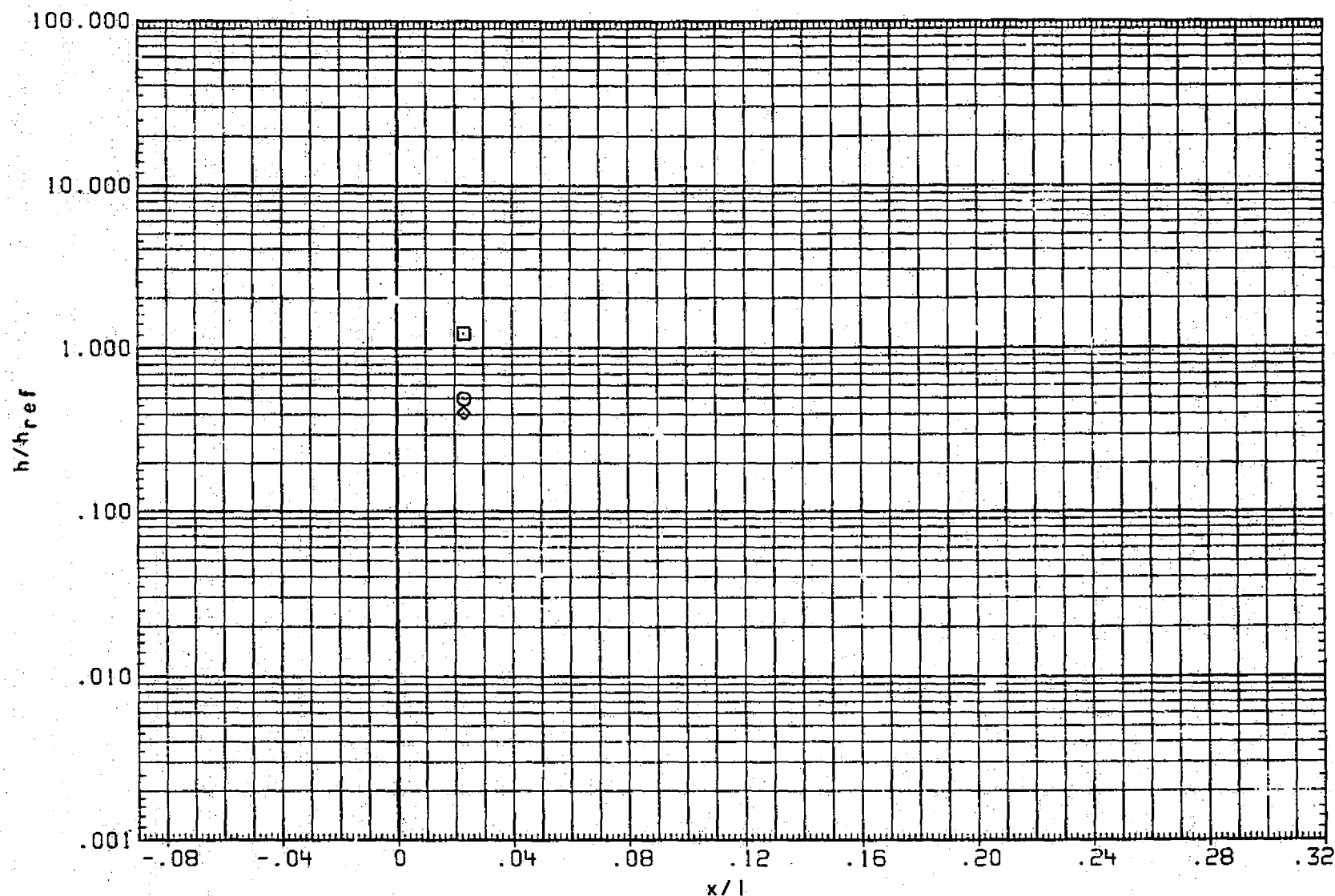


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1310

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

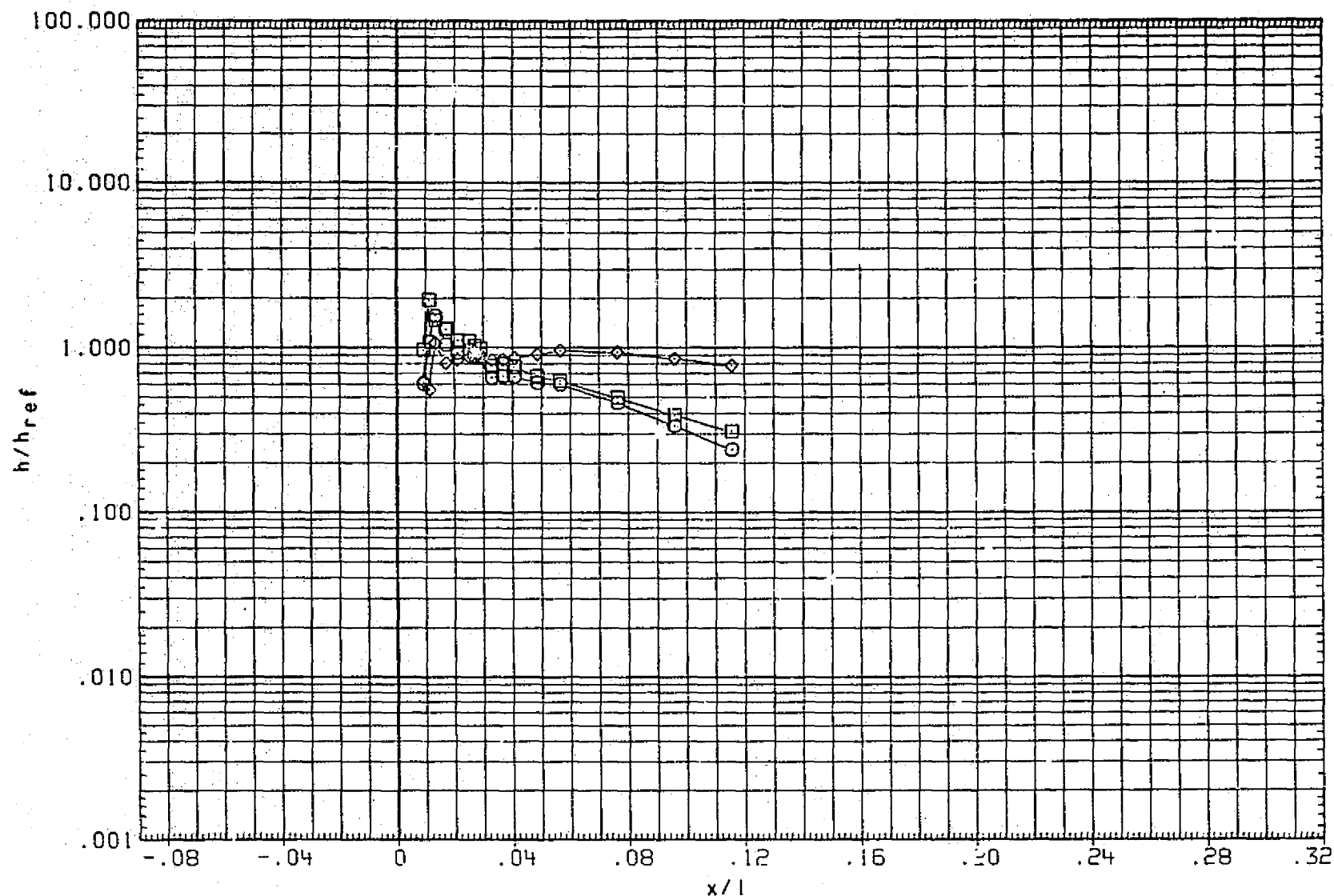


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0, BETA=0 FOR HU)

MACH = 5.300 HAW/HIT = .850 THETA = 90.000

PAGE 1311

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

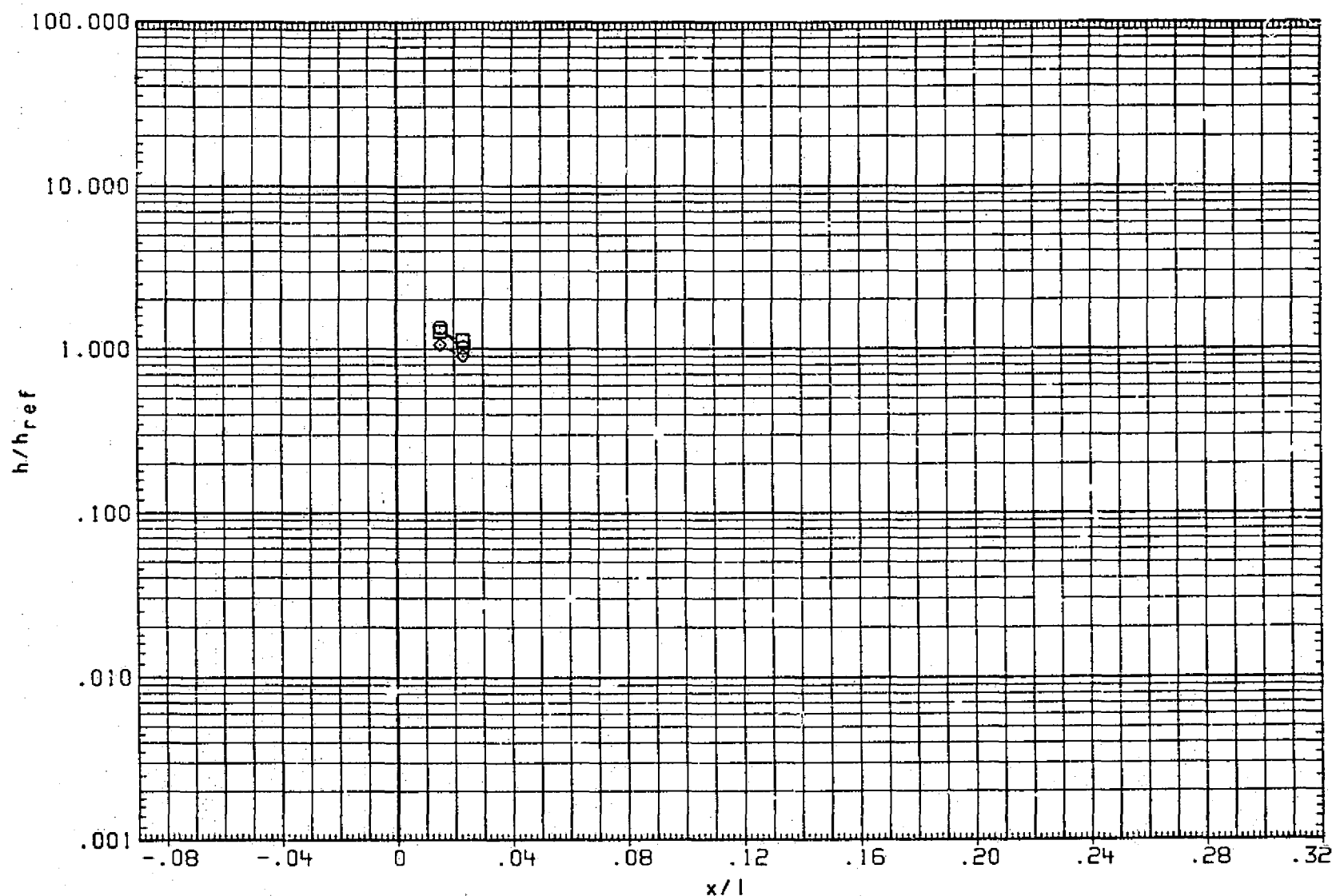


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 3.300 HAW/HT = .850 THETA = 135.000

PAGE 1312

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

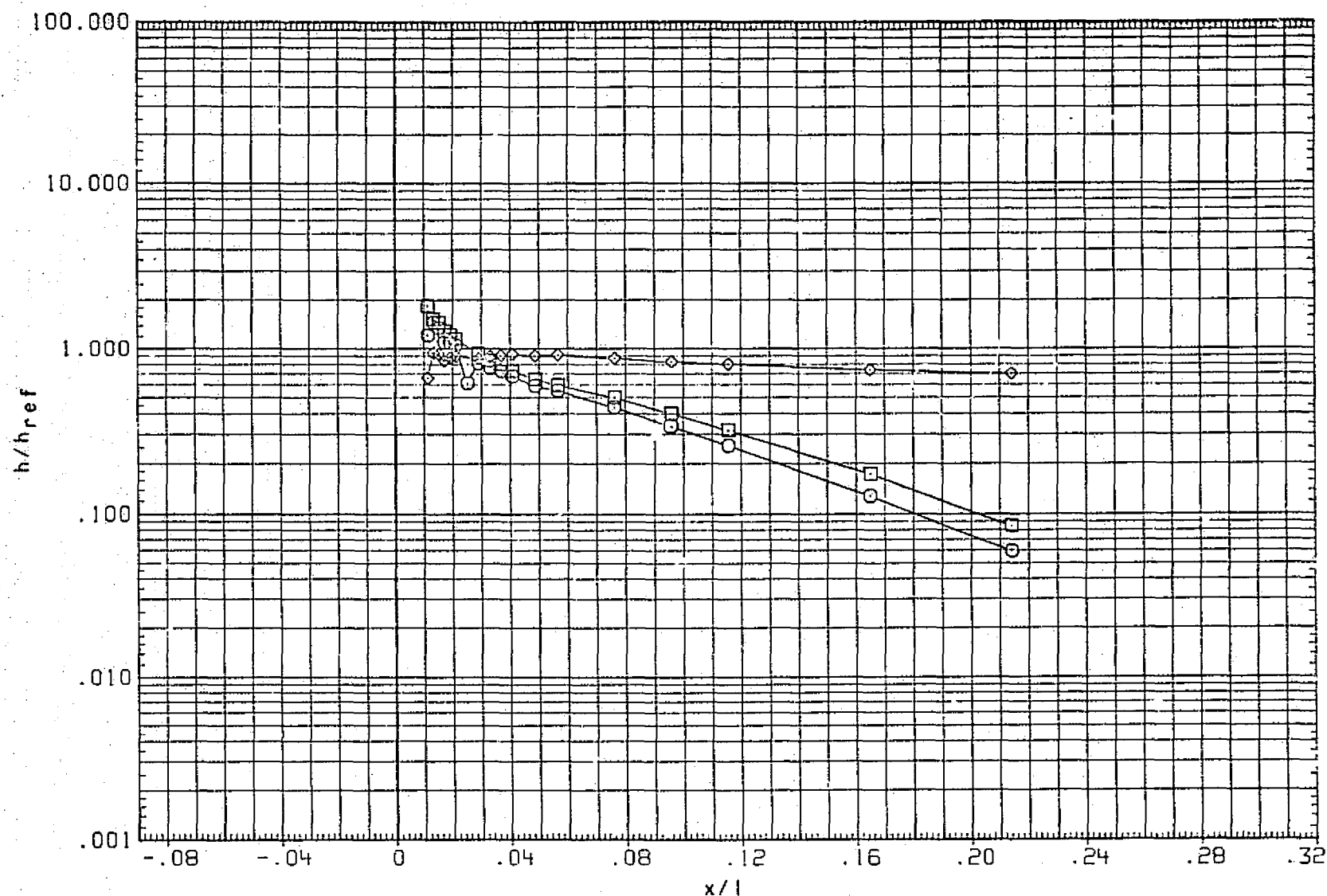


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

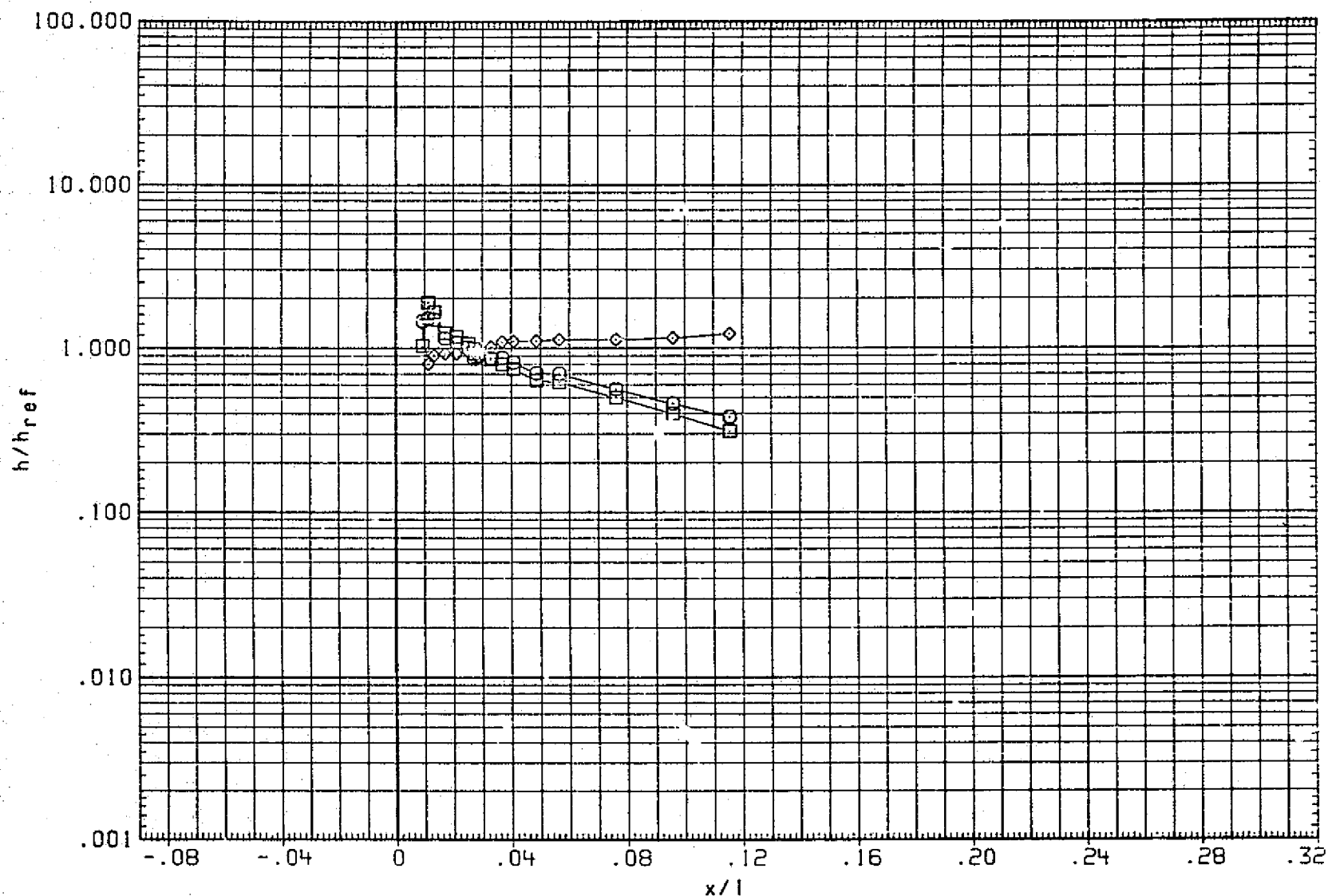


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROJUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

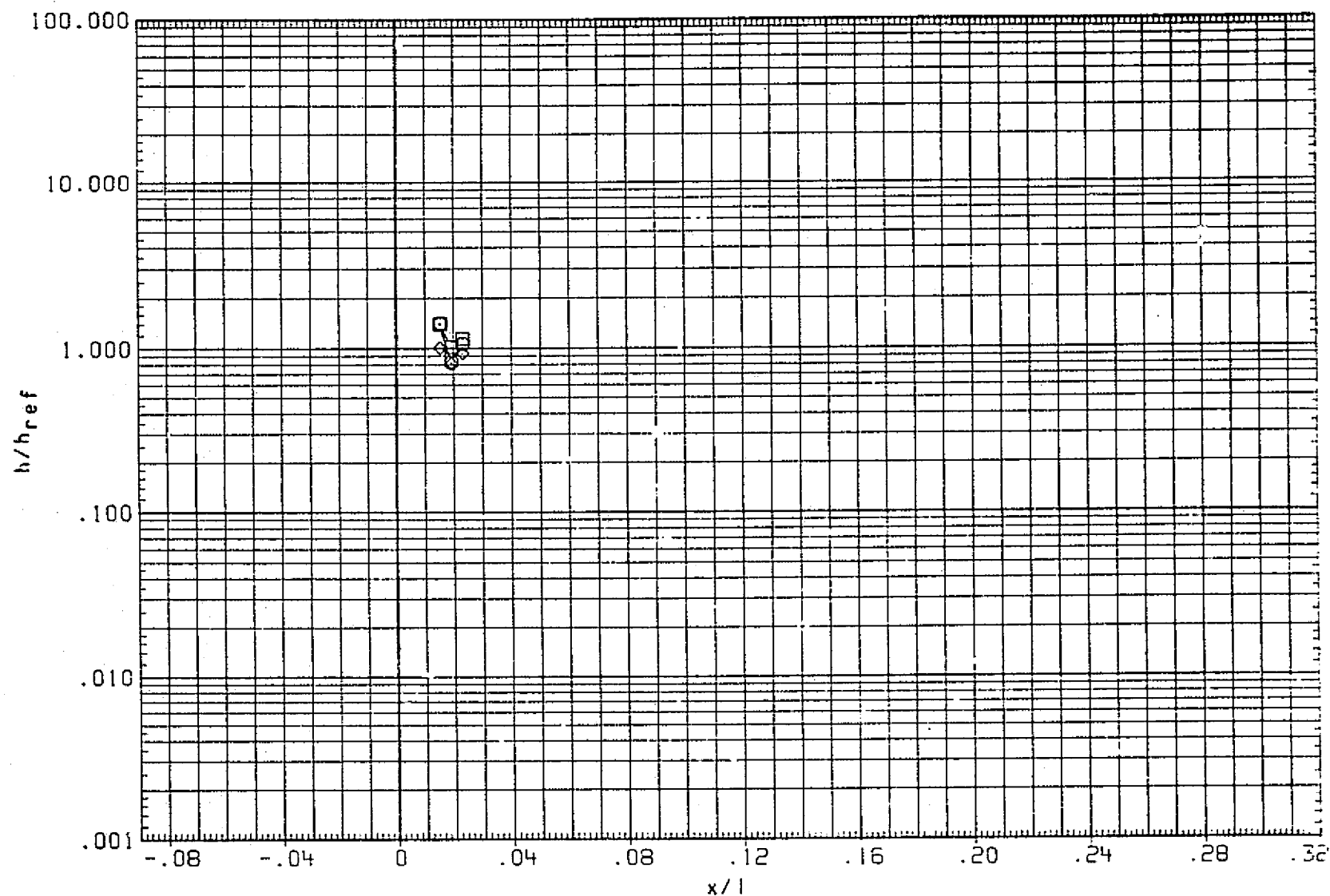


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

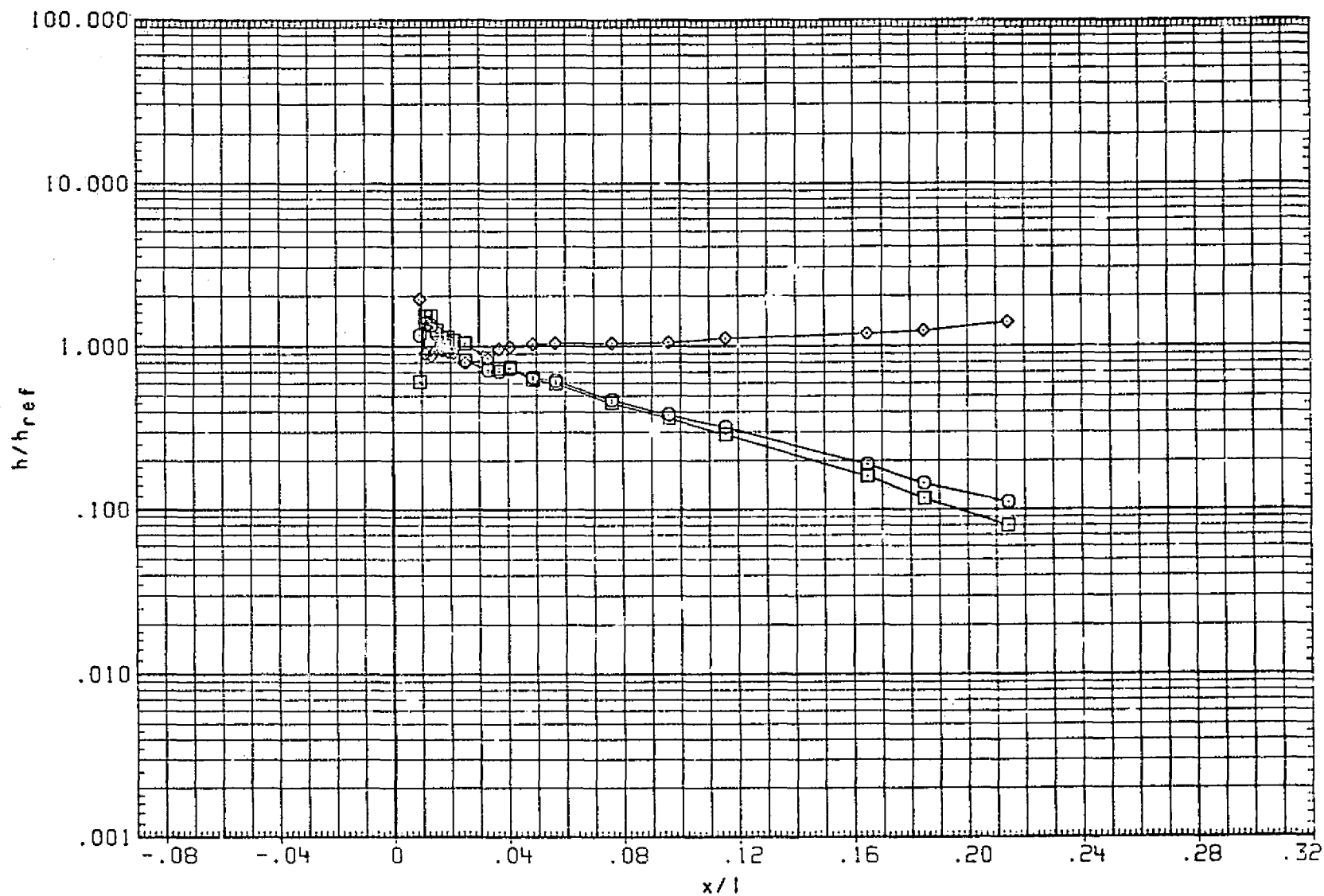


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

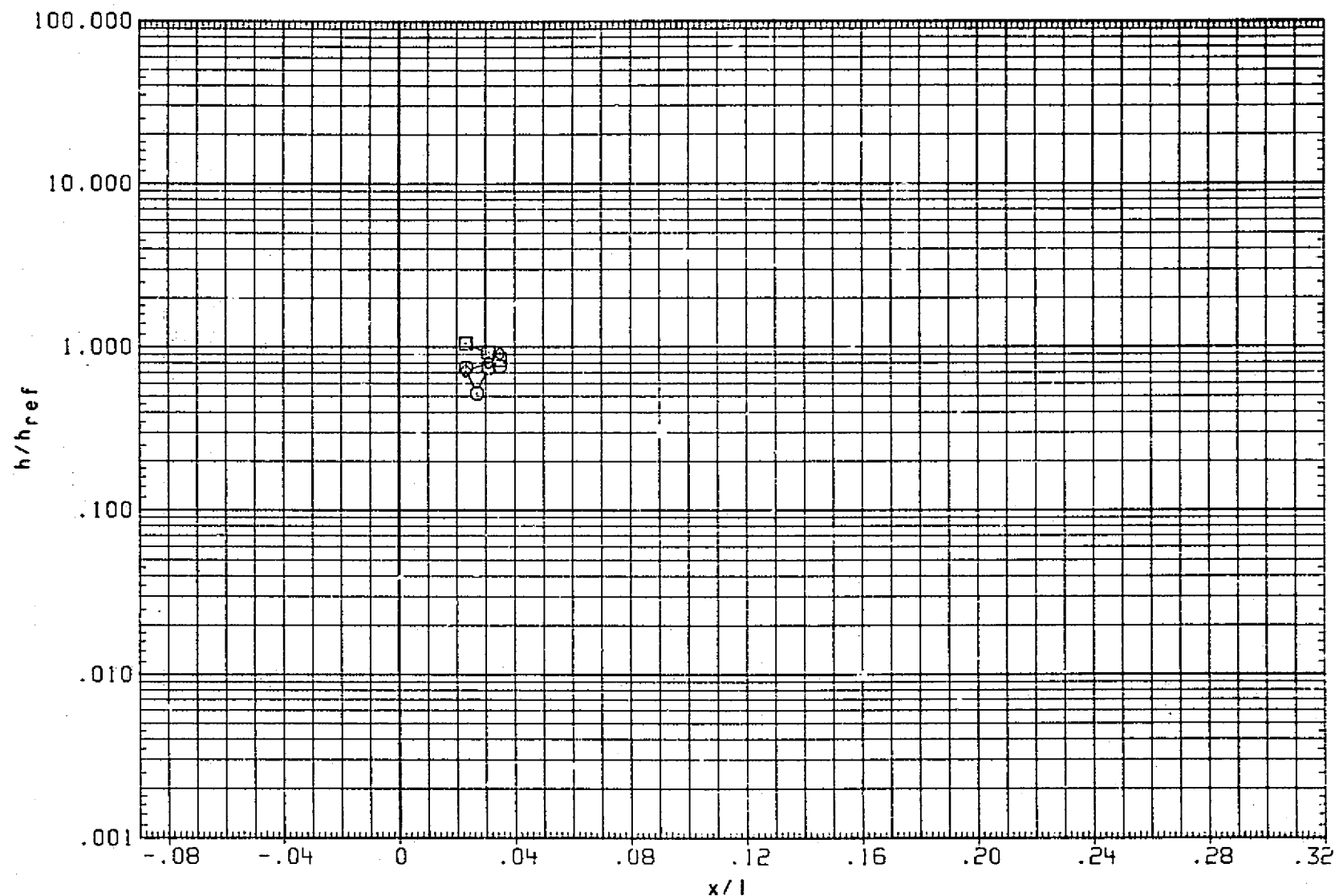


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

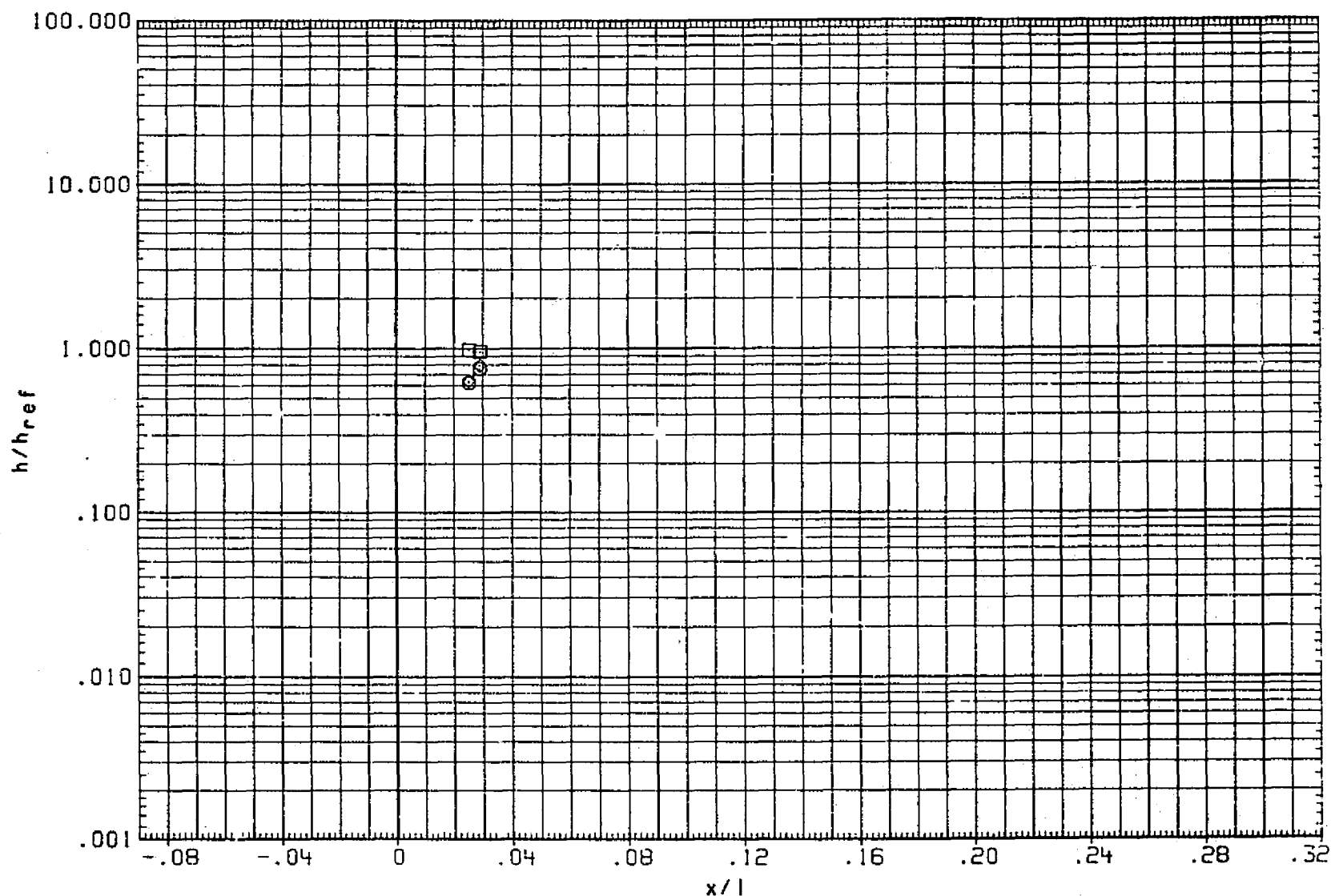


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLFAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

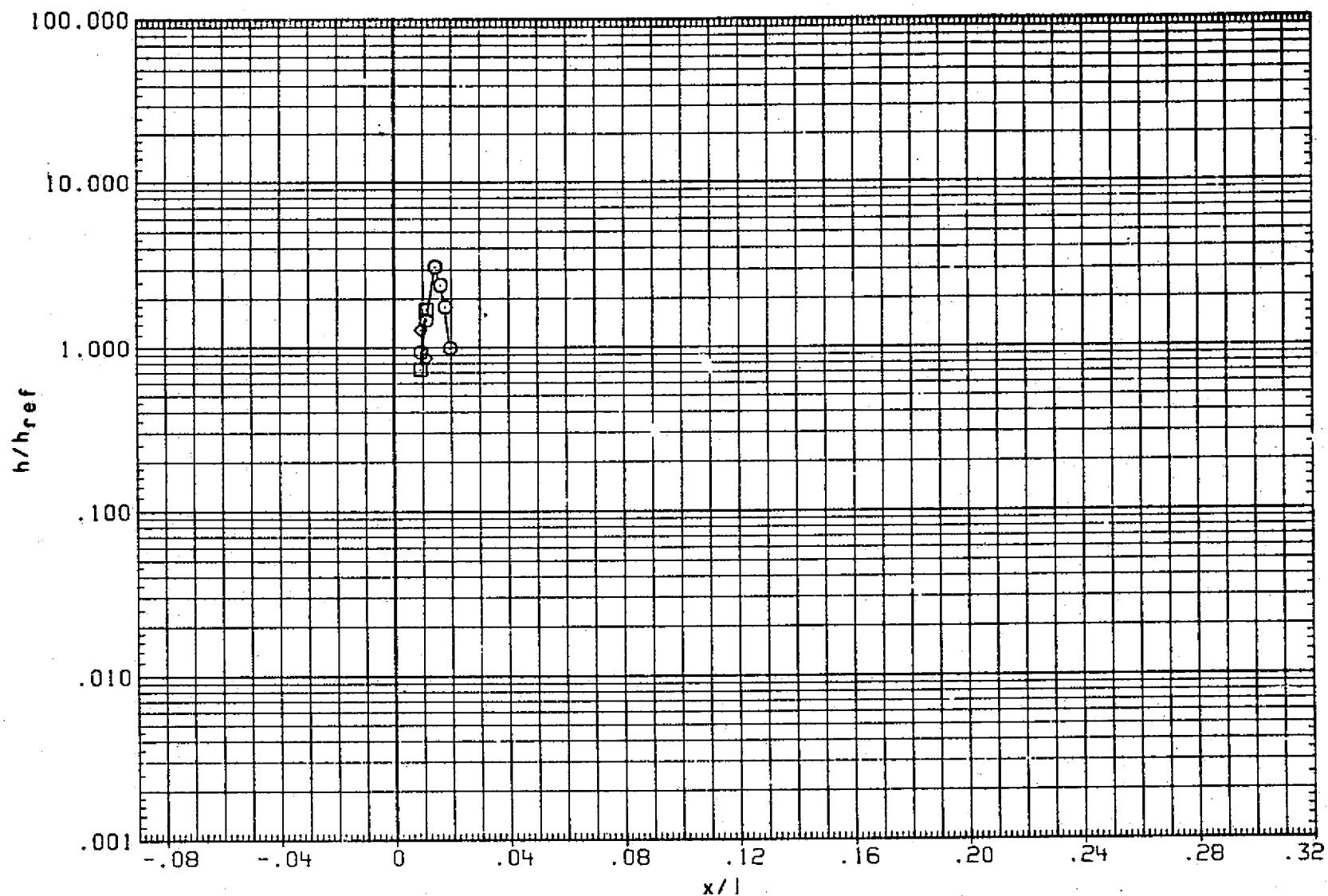


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

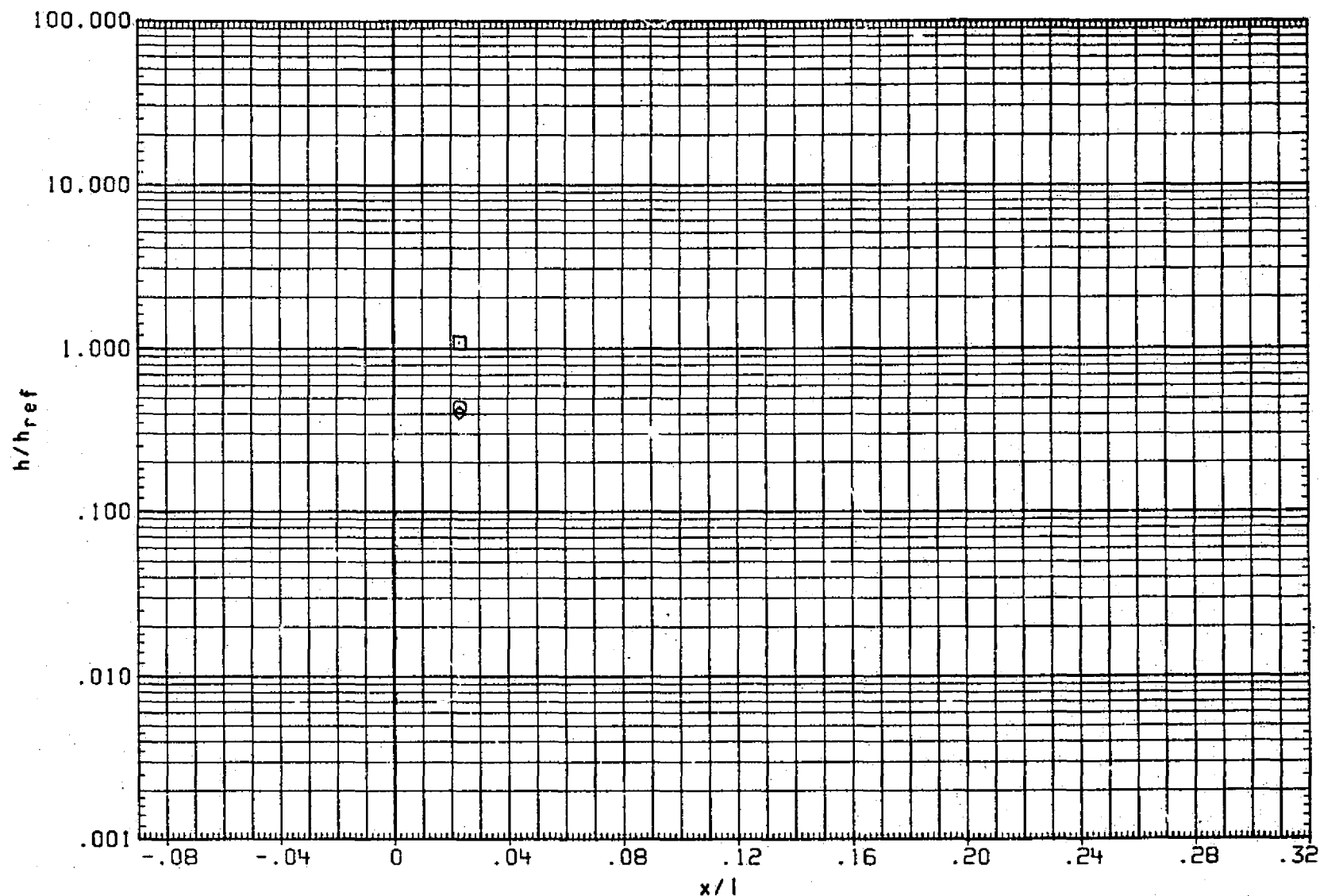


FIG. 15 TANK FOREBODY H1/HU ( $\alpha=0$ ,  $\beta=0$  FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

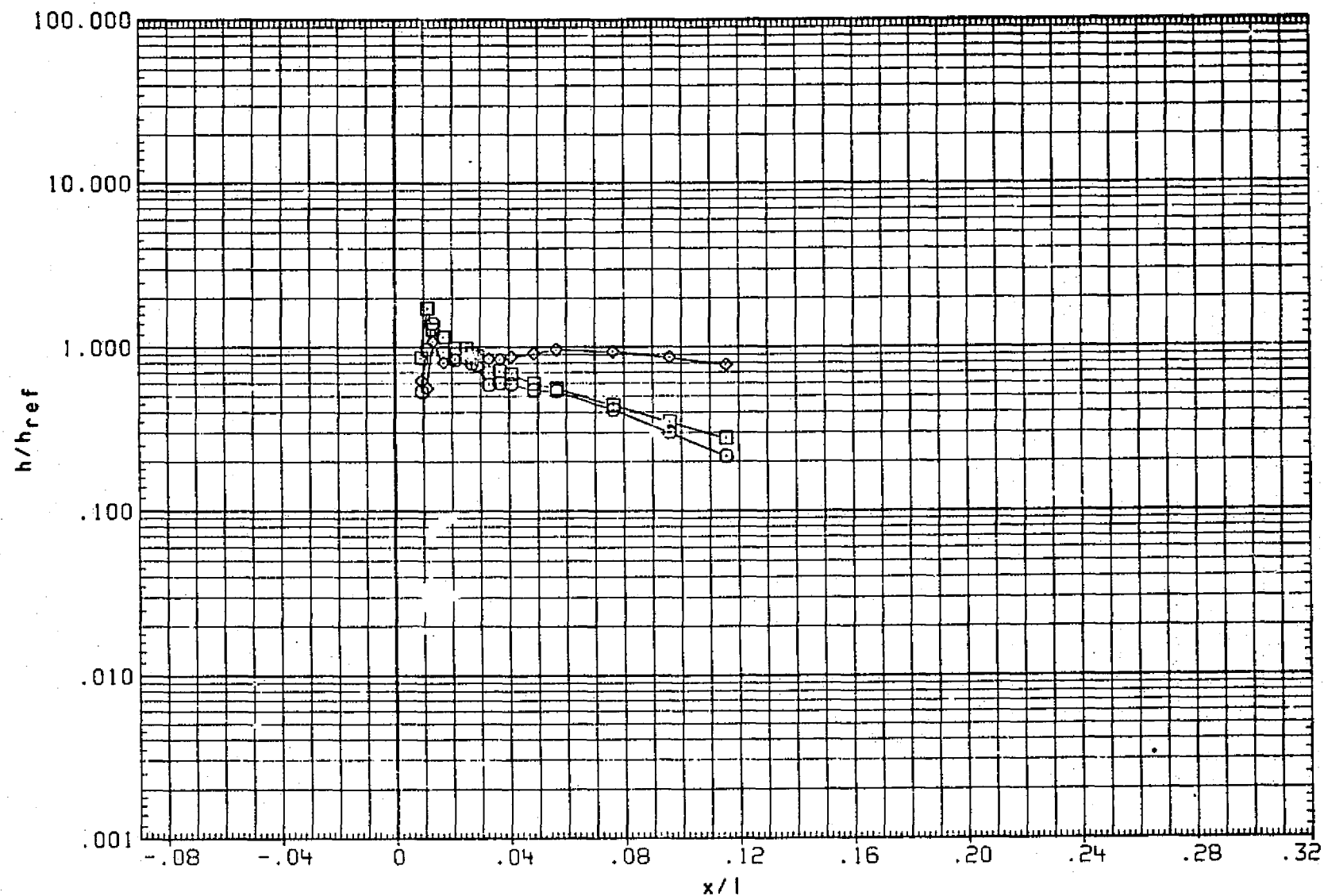


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

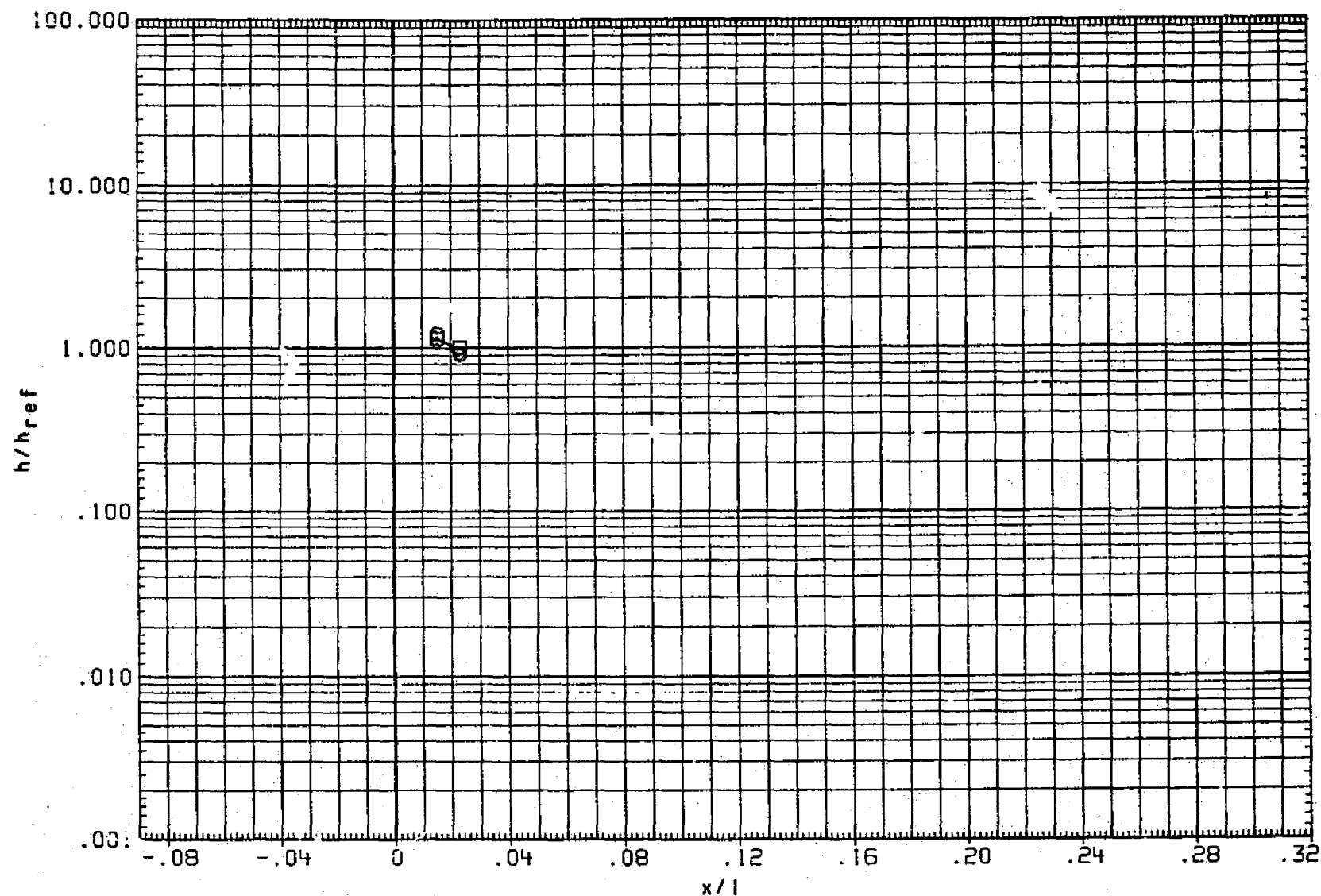


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

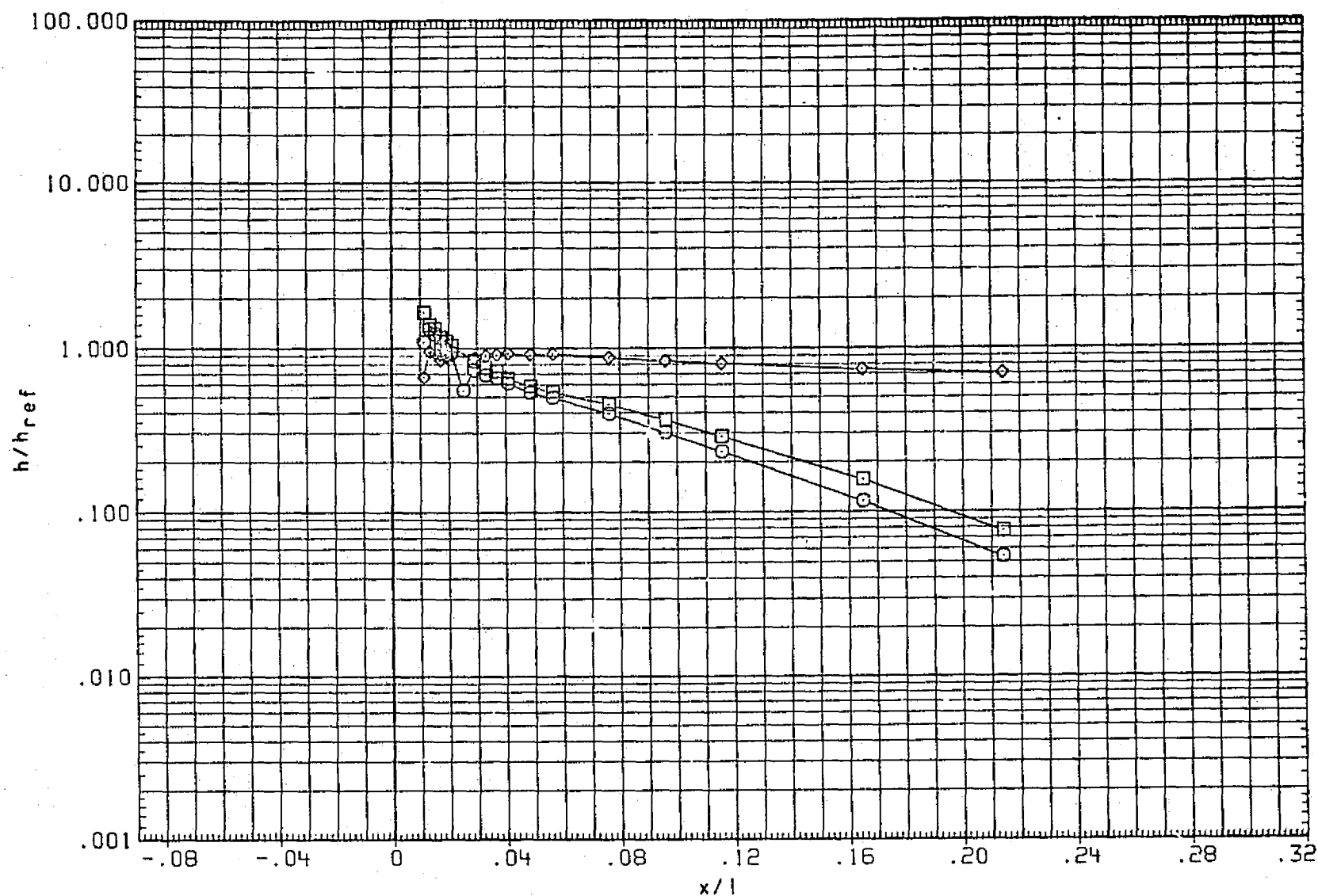


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH)4)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH)4)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH)4) H1/HU (RNTT12/RNTT20)			5.000

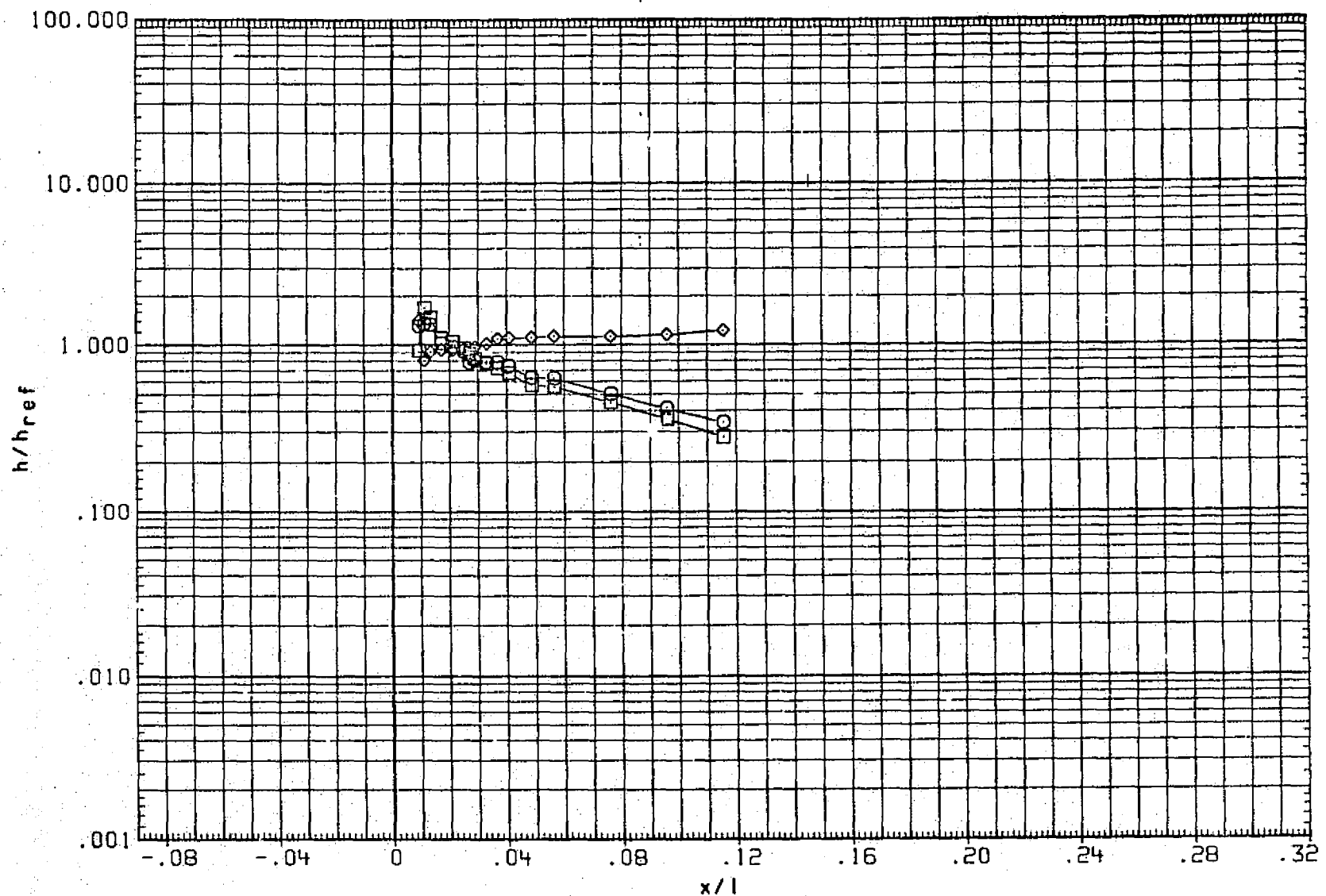


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

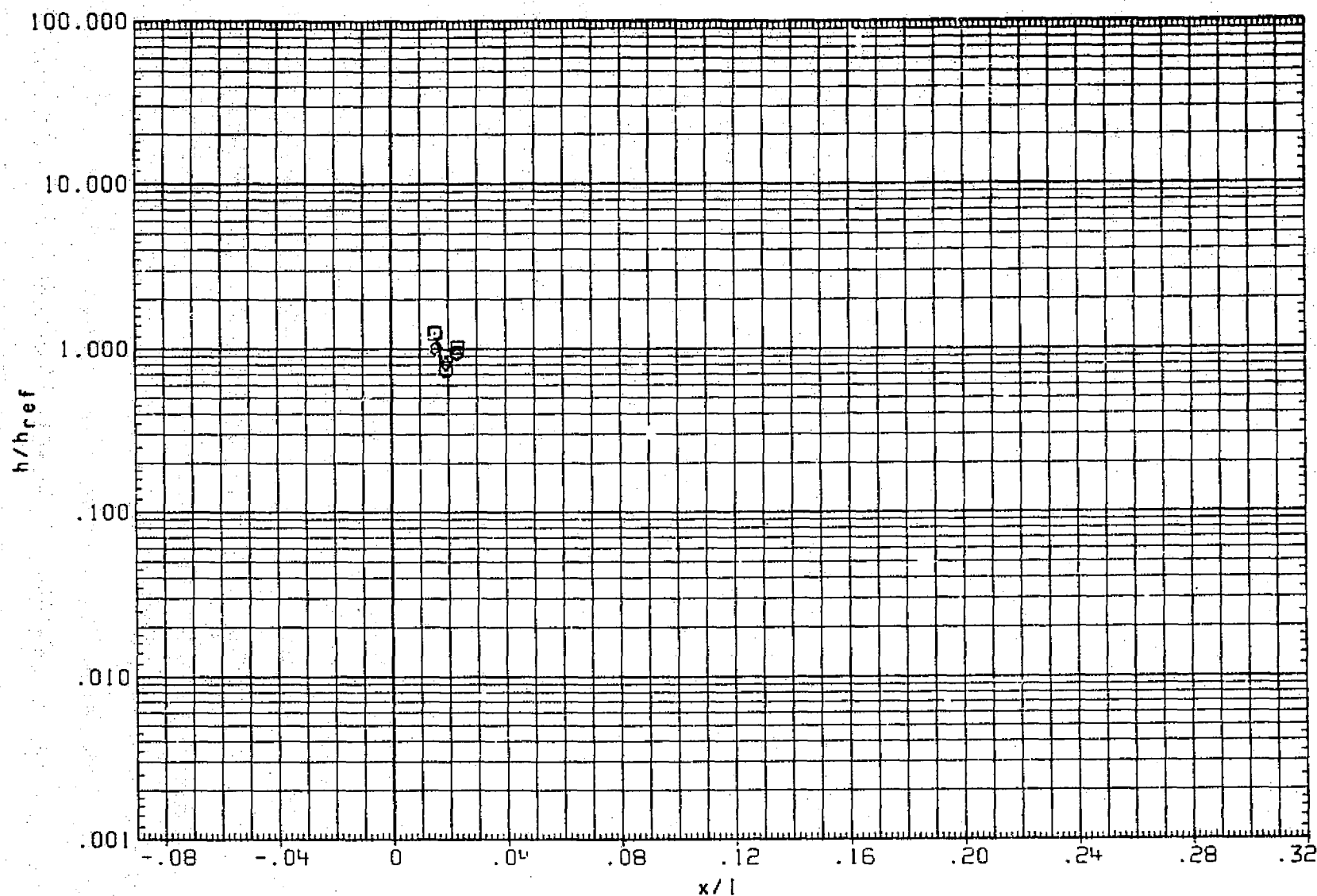


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

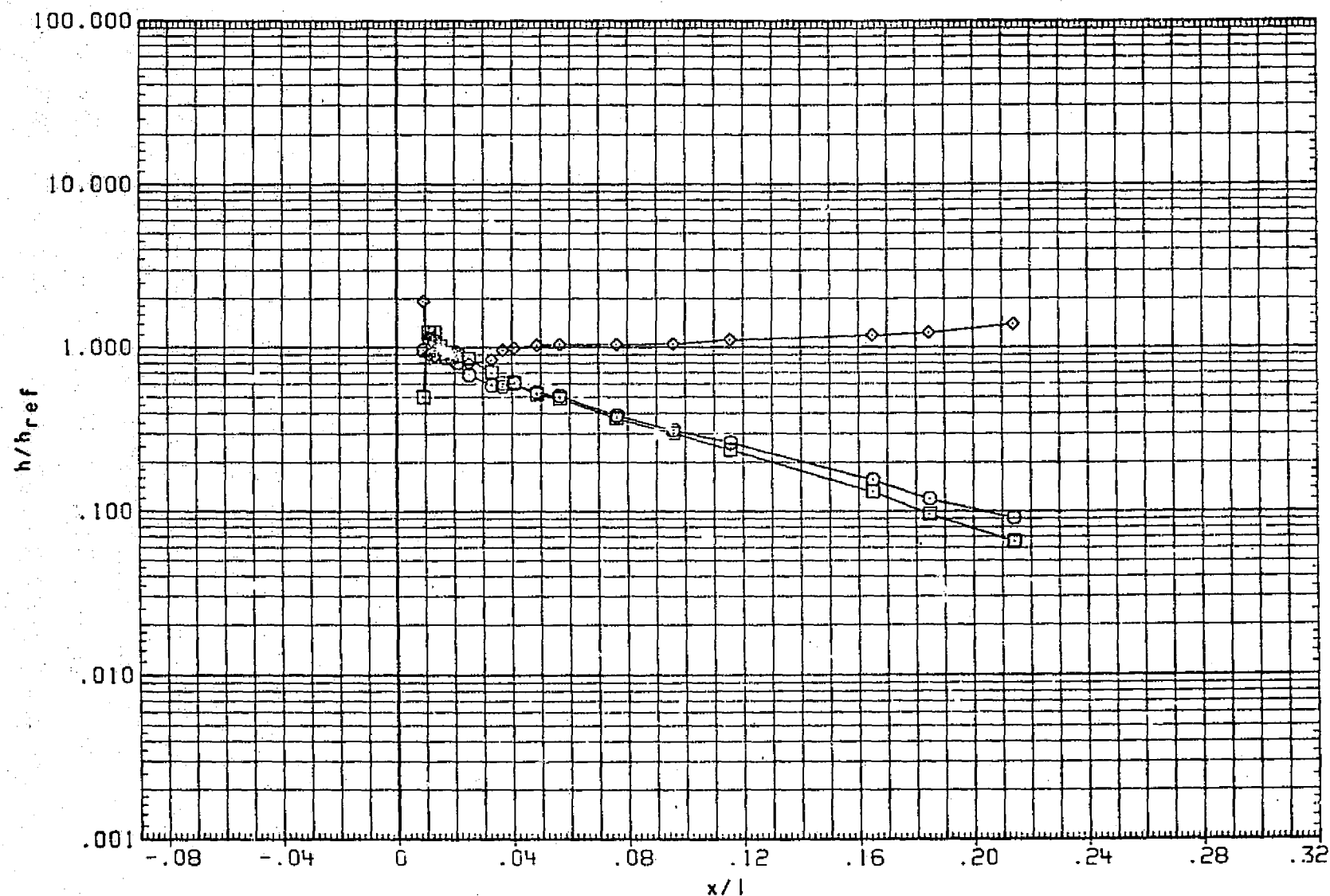


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

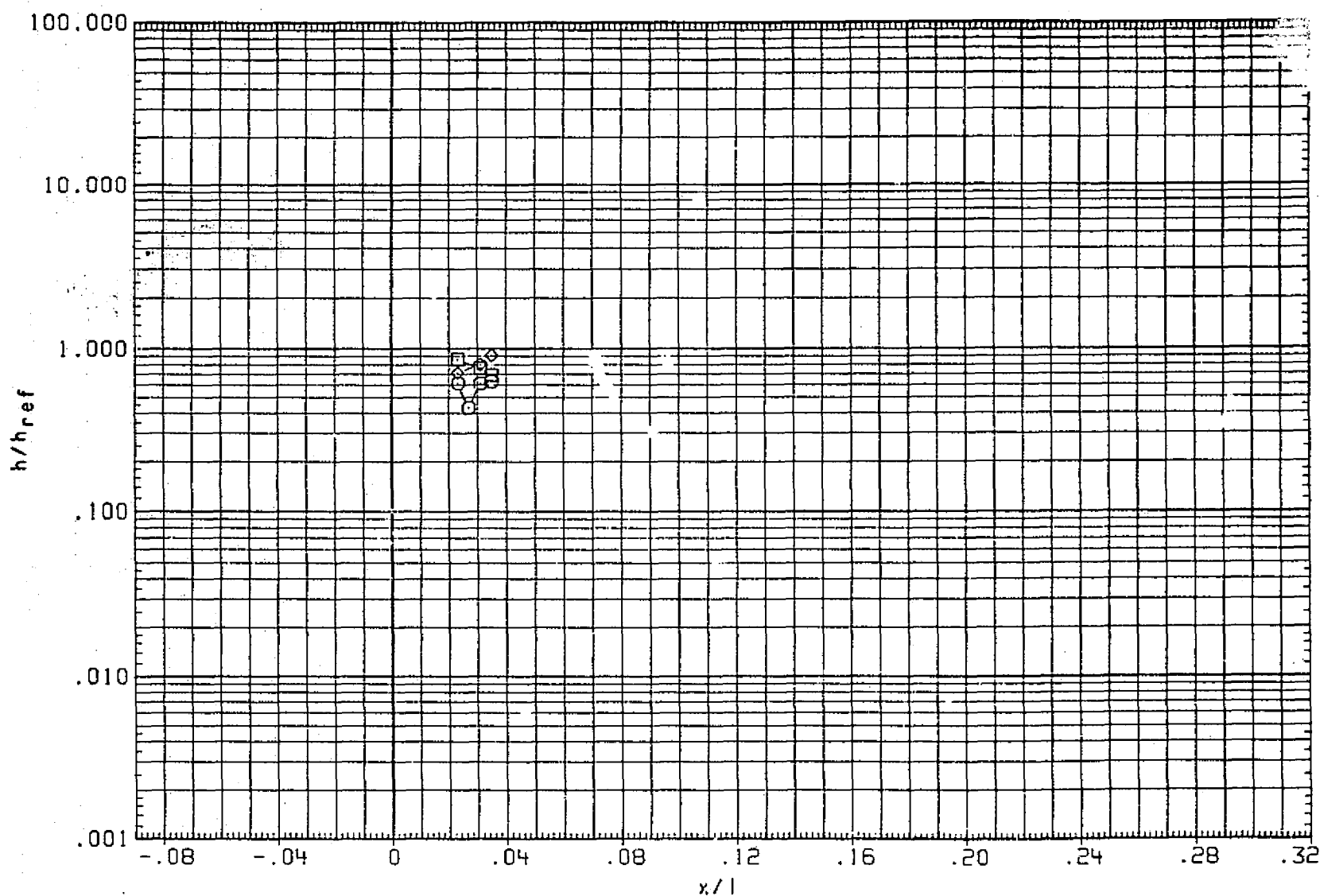


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

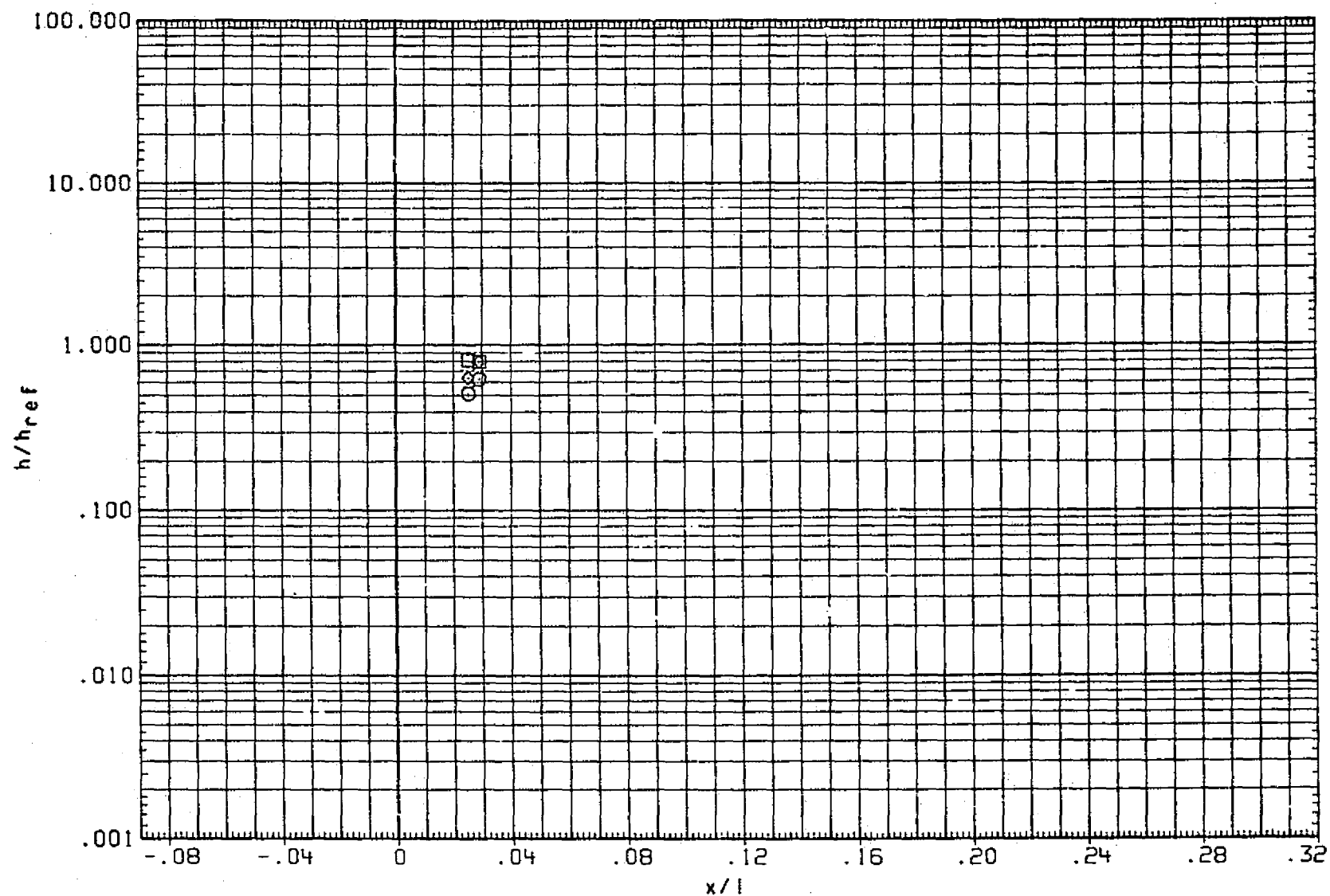


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

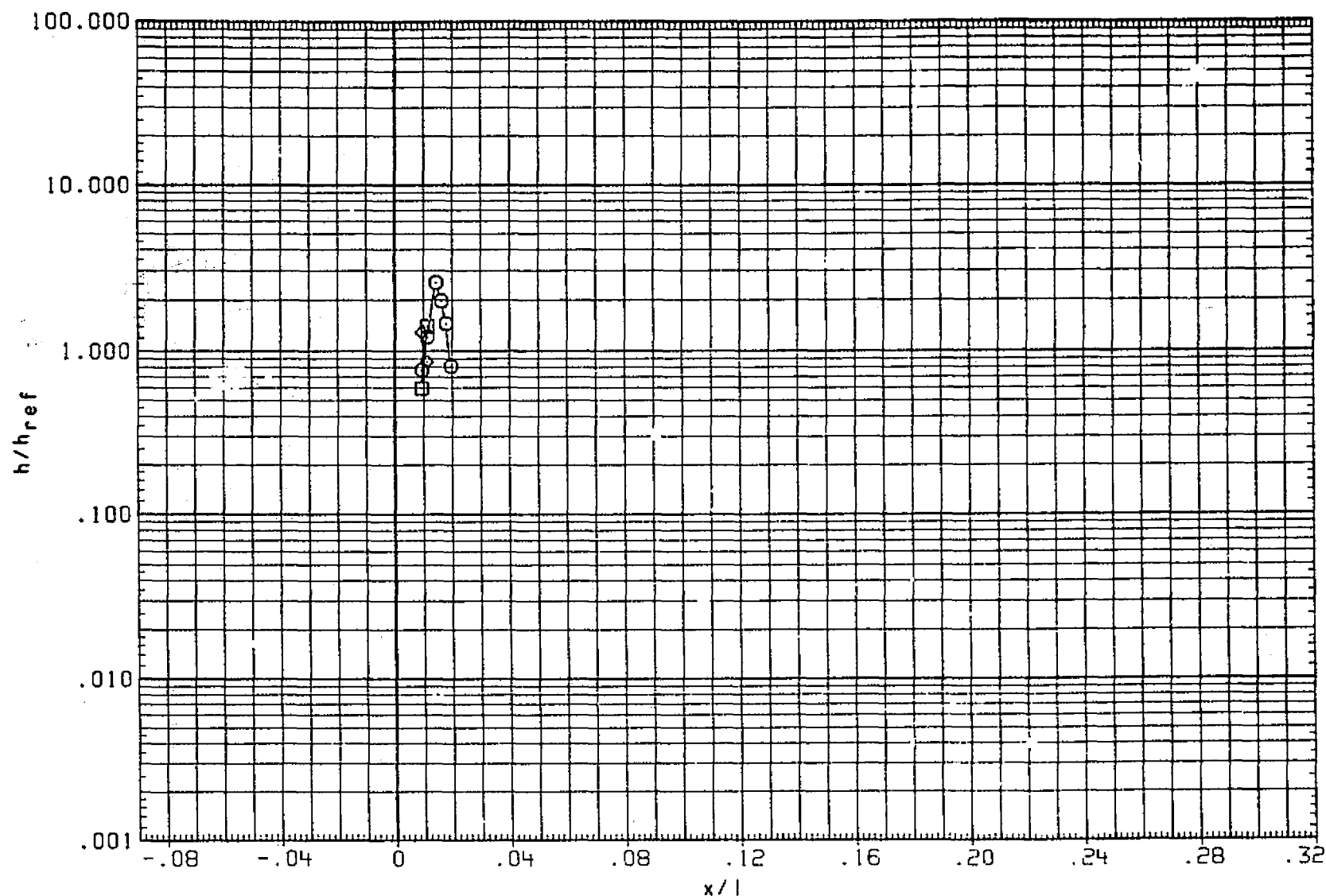


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

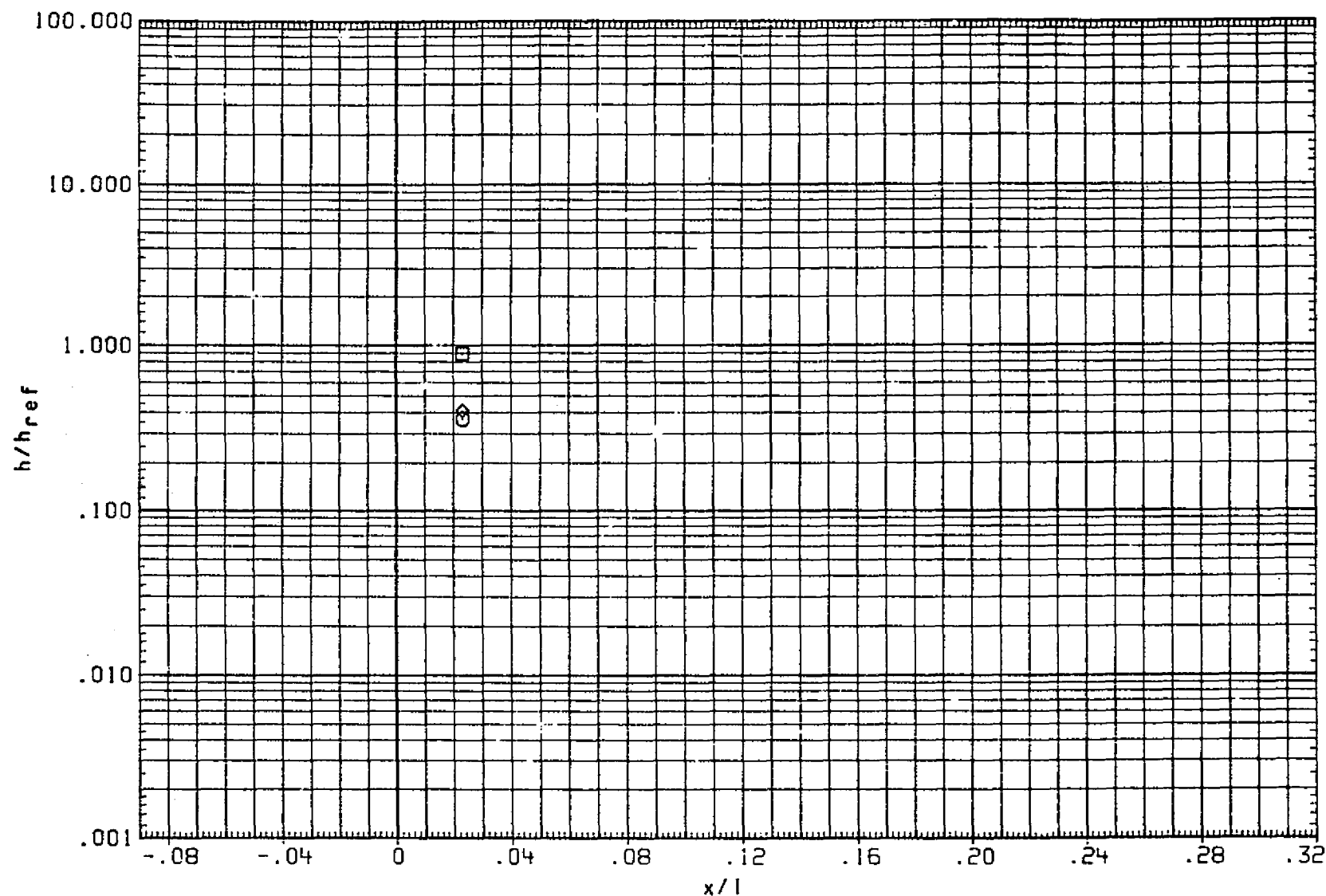


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1330

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

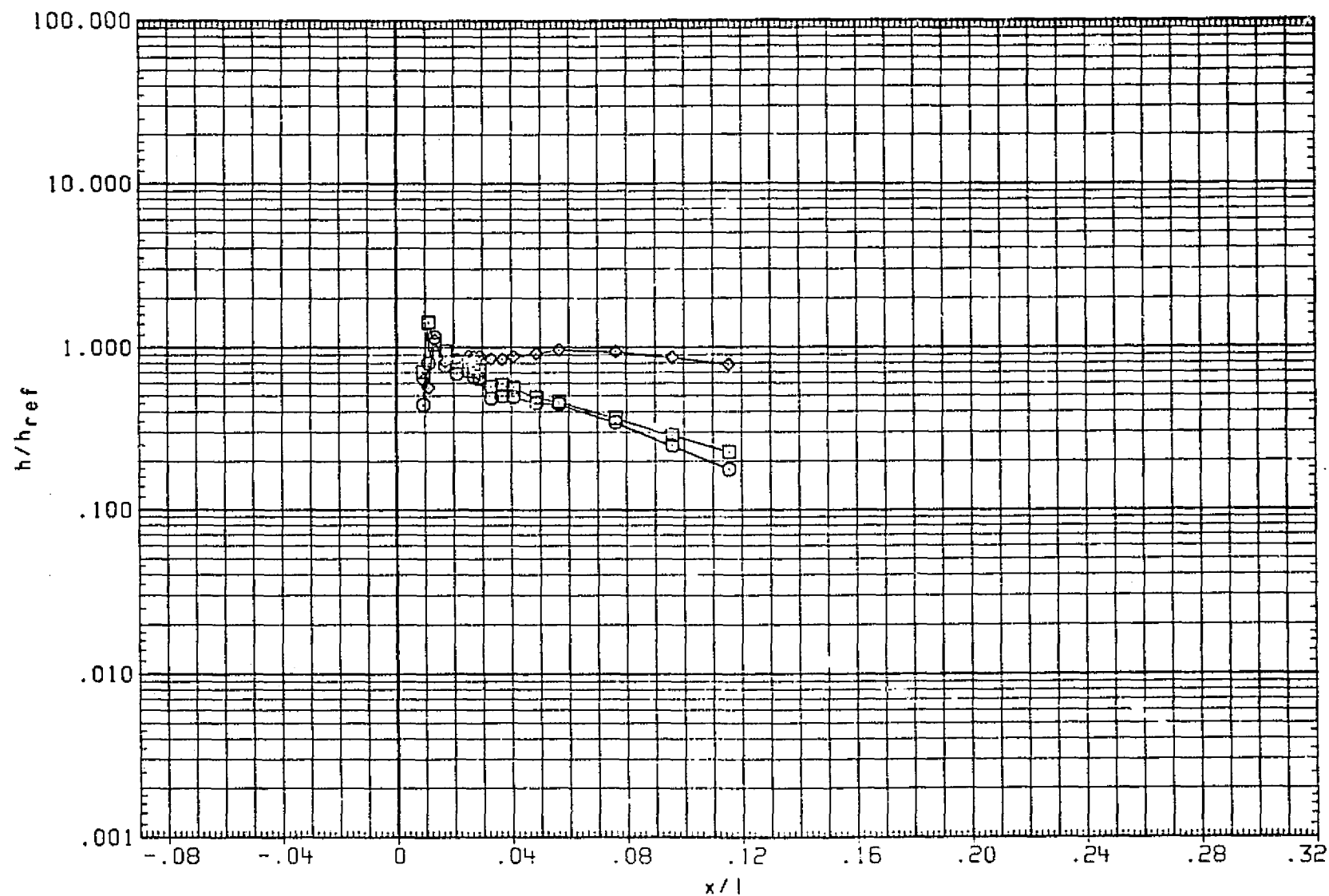


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

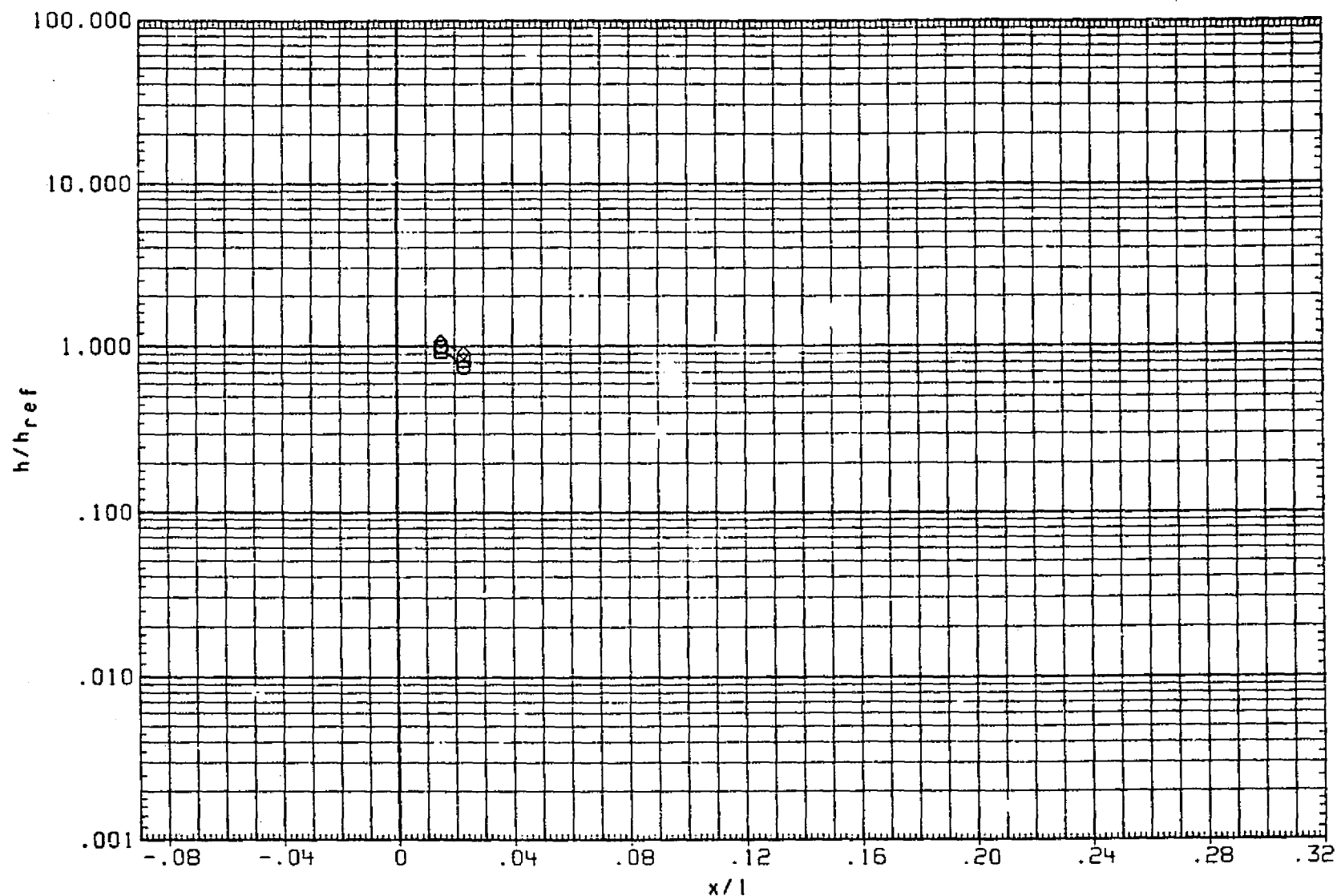


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1332

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) H1/HU (RNTT12/RNTT20)			5.000

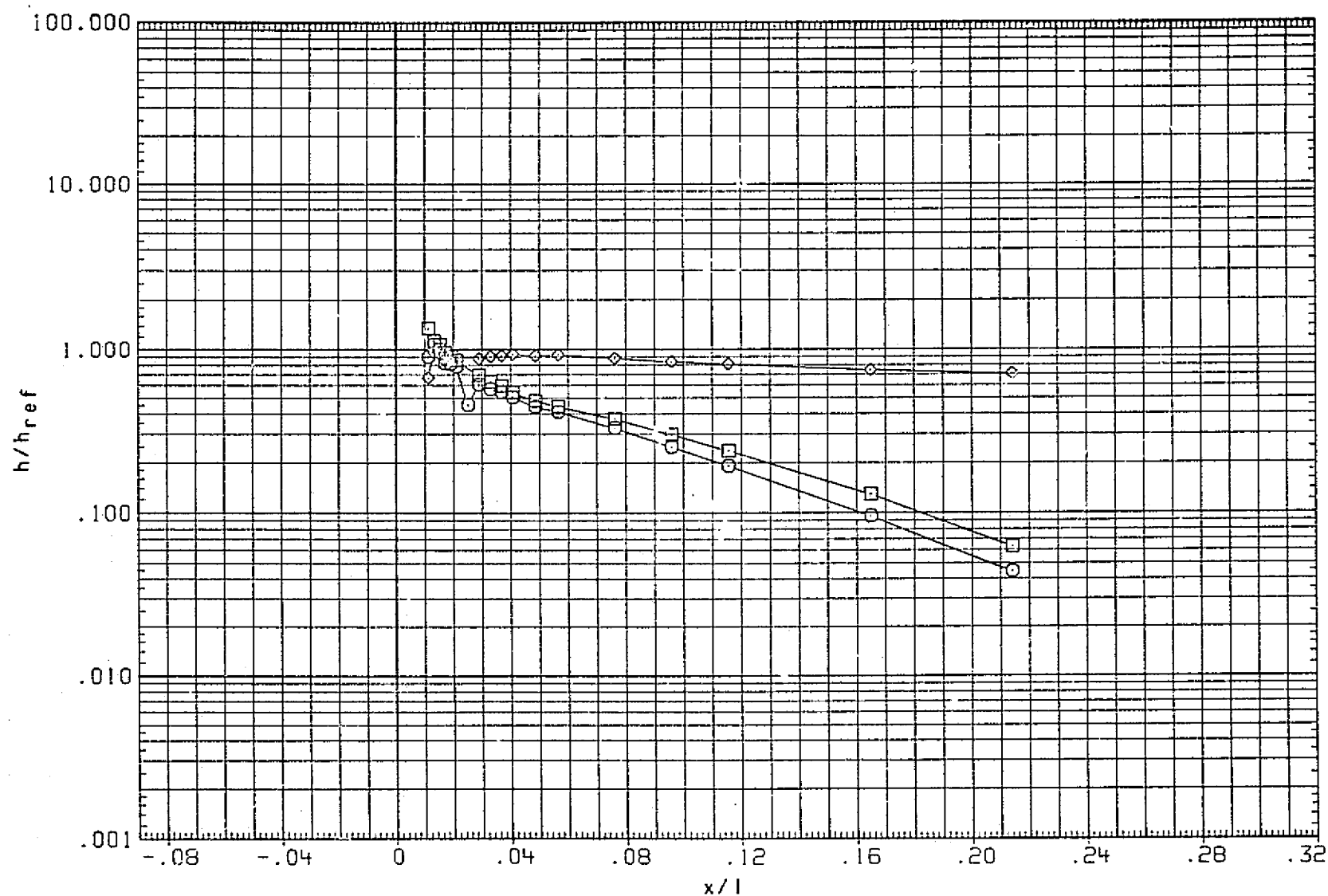


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

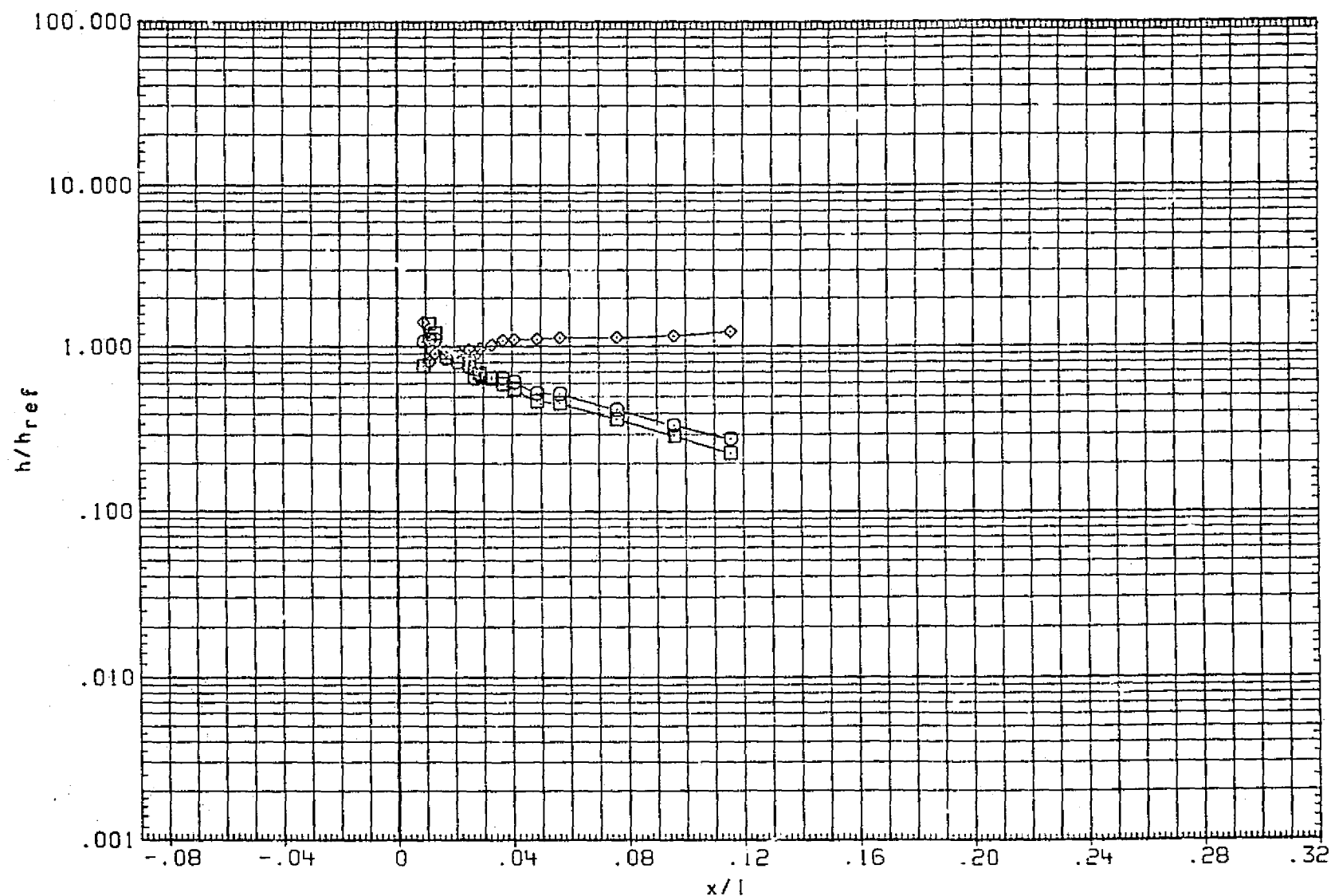


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1334

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT12)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-4.590	-5.510	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (C/FAN)	.000	.000	5.000
(CNTT12)	◇	ARC3.5-215(FH14) HI/HU (RNTT12/RNTT20)			5.000

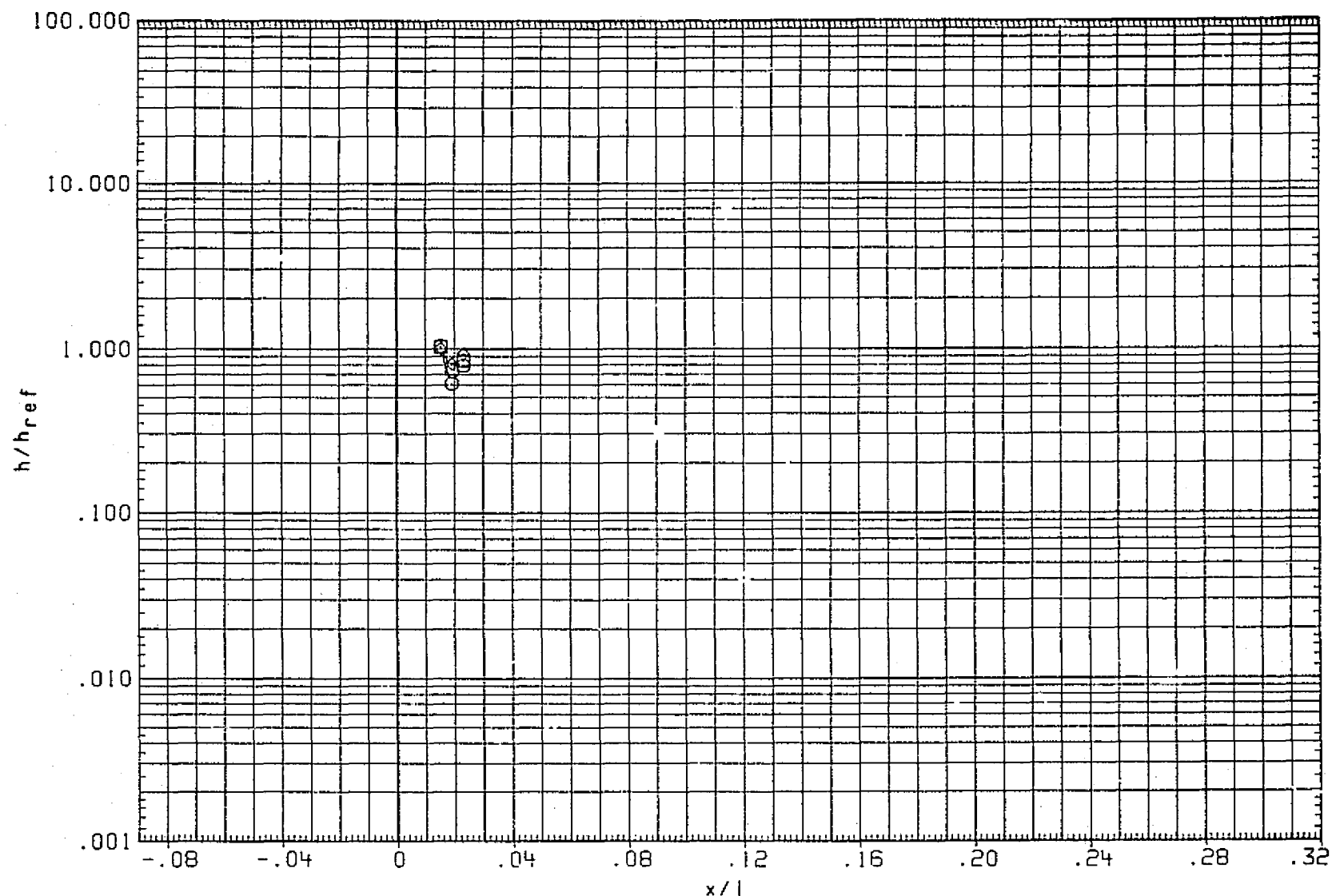


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

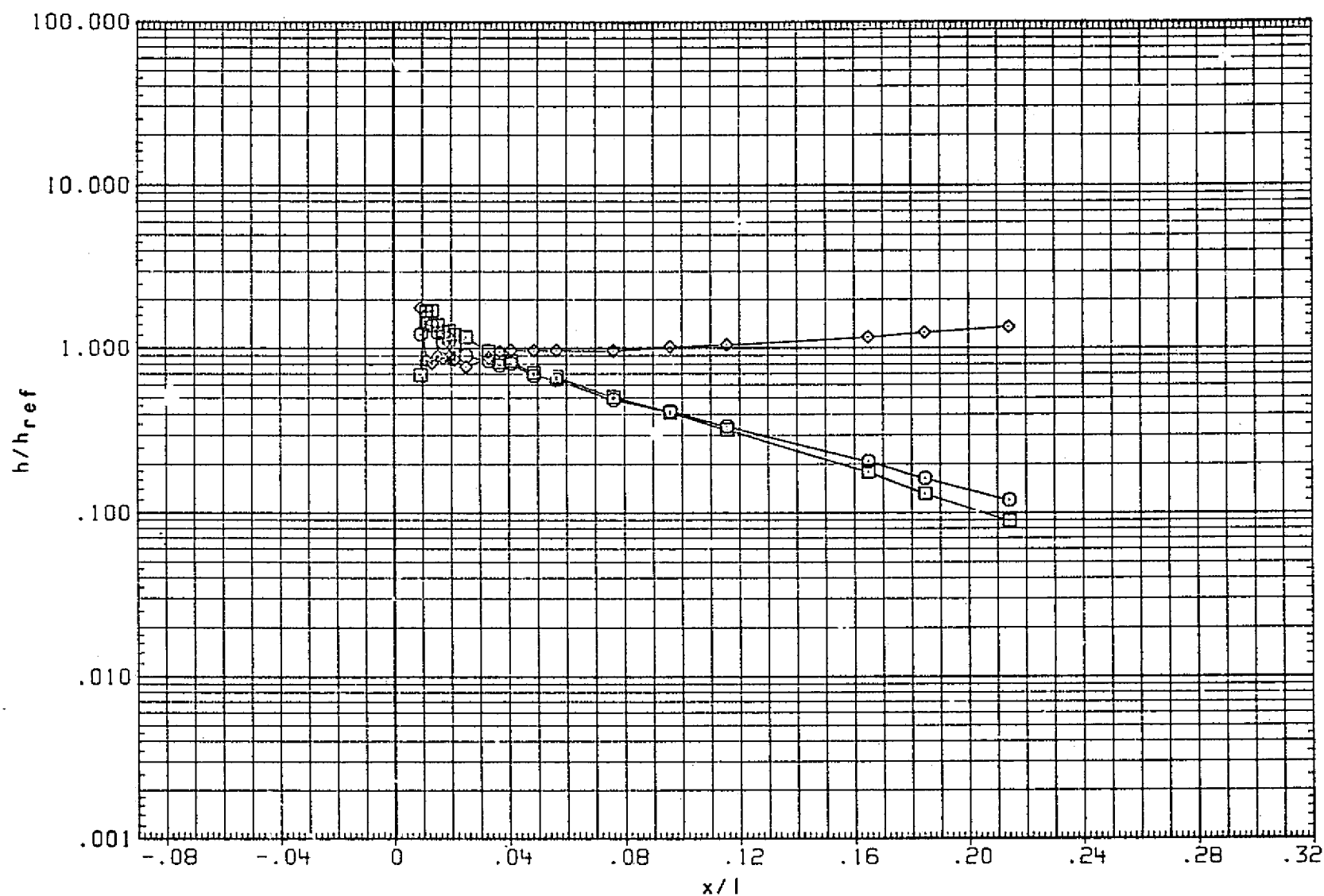


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

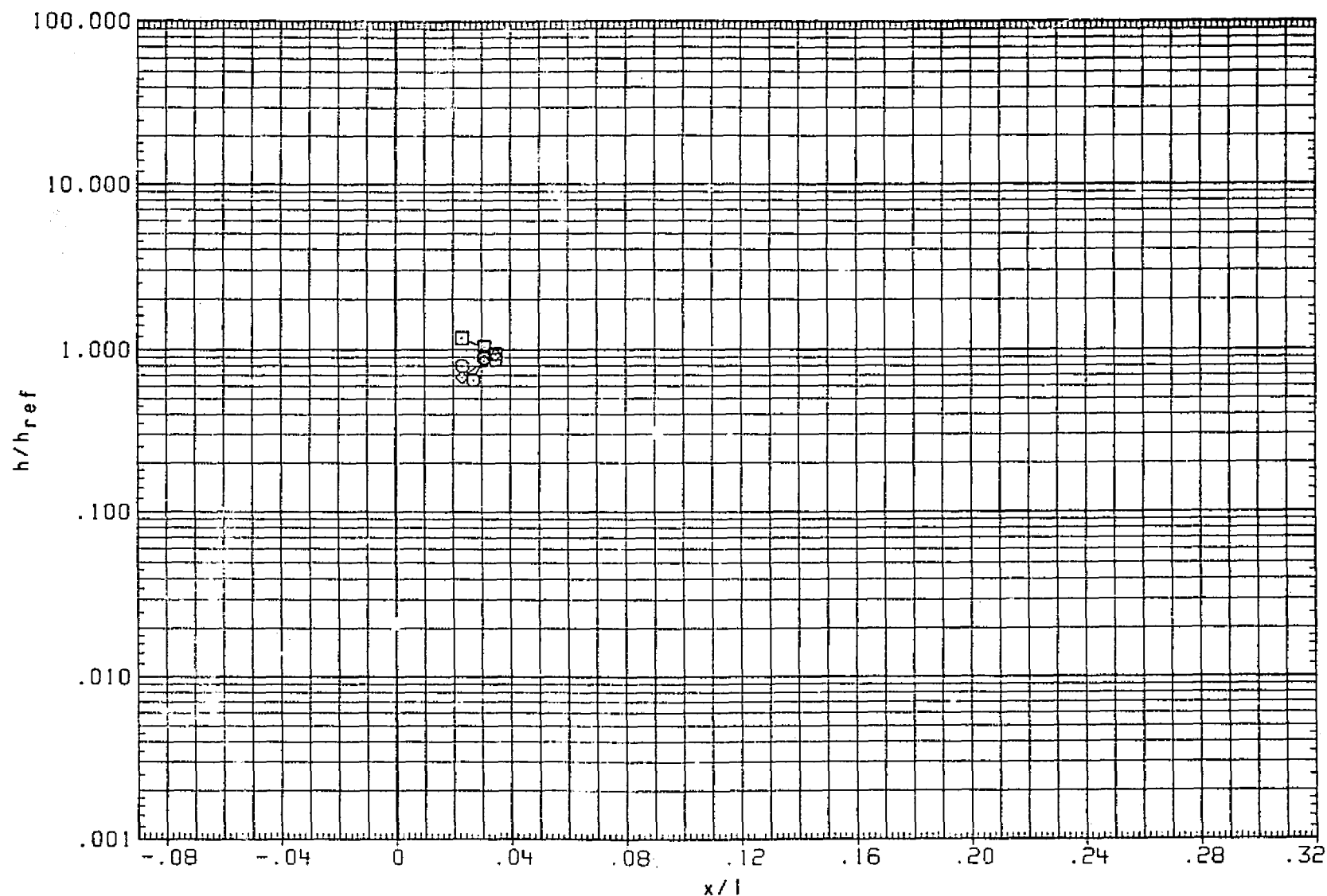


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

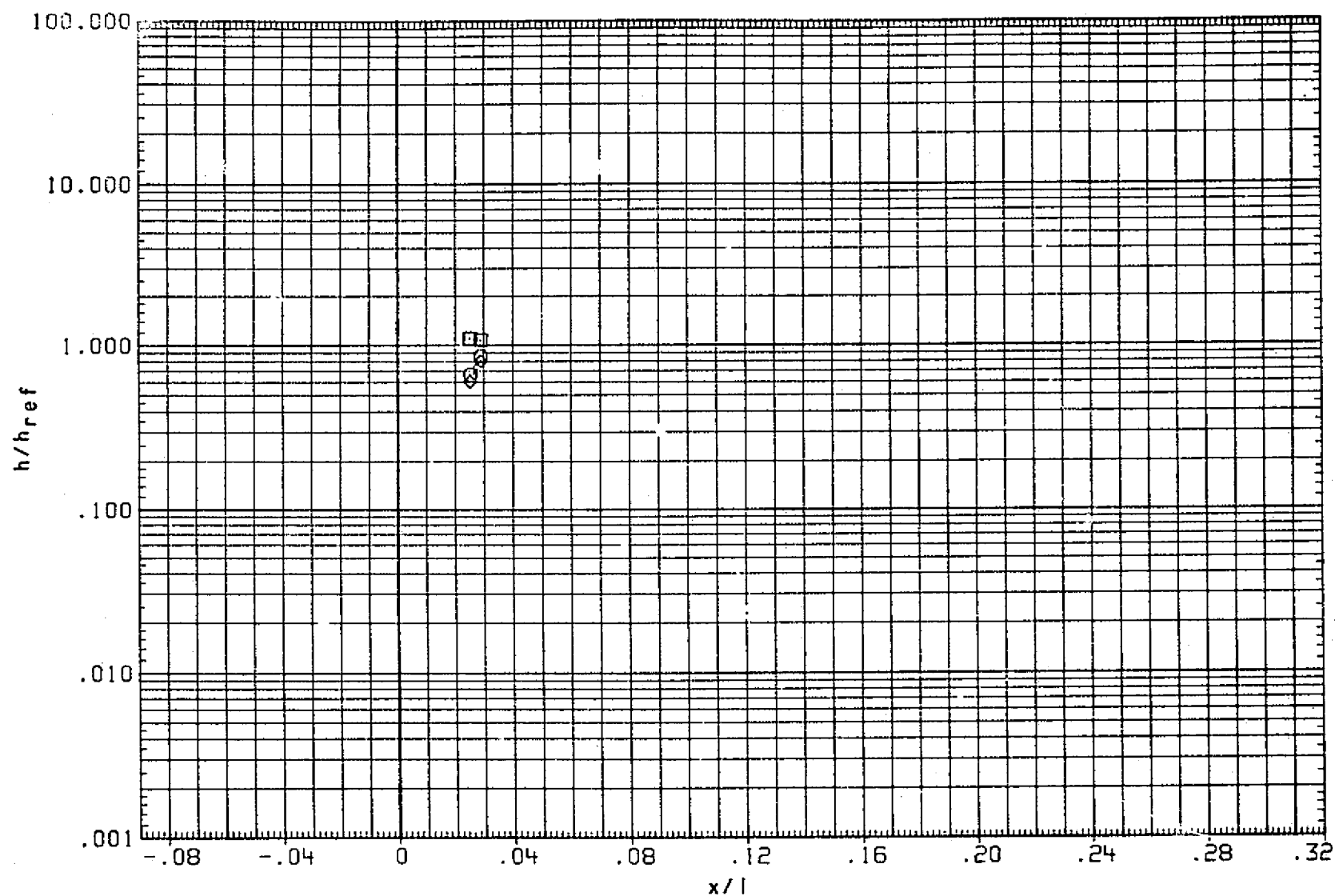


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

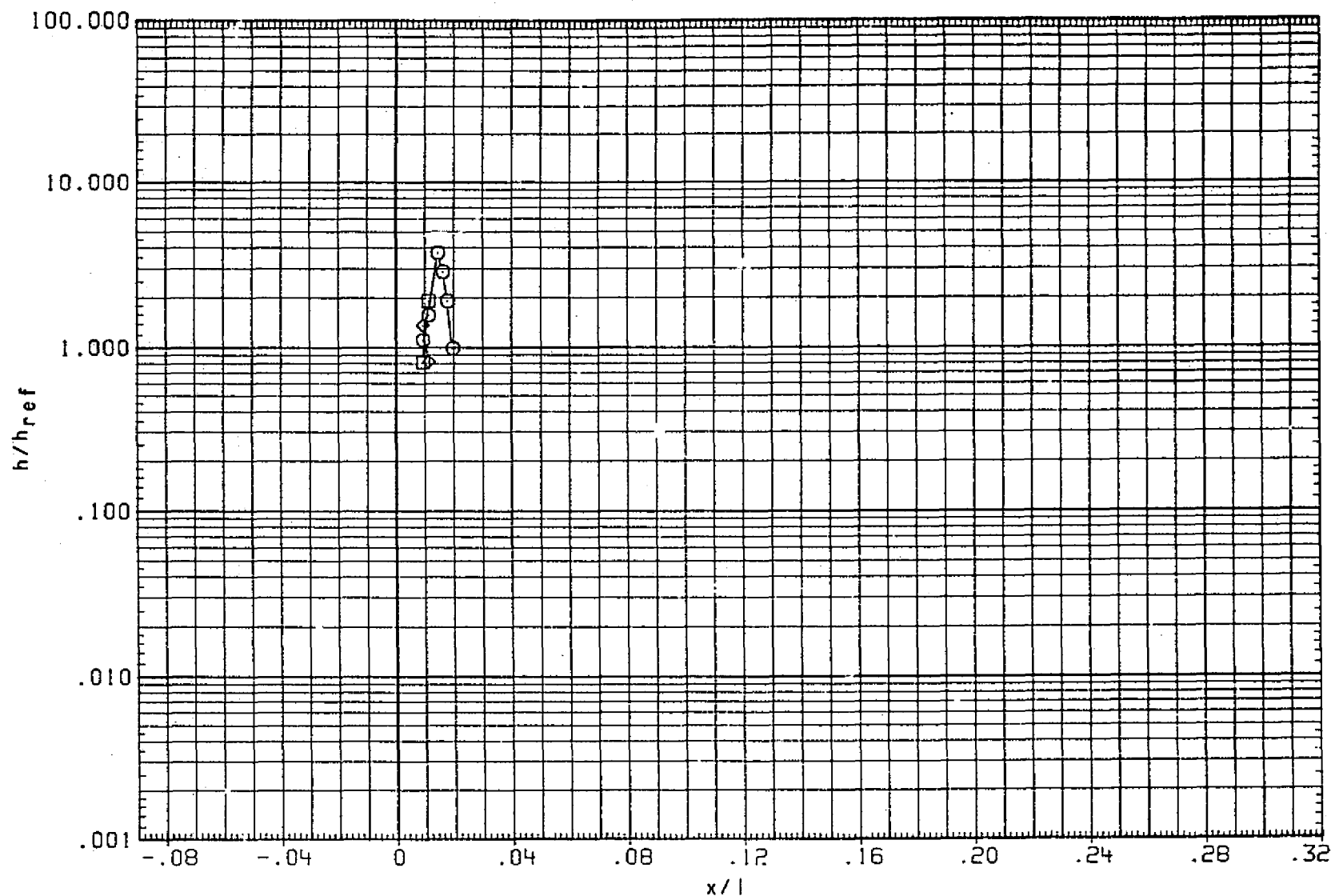


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	◇	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

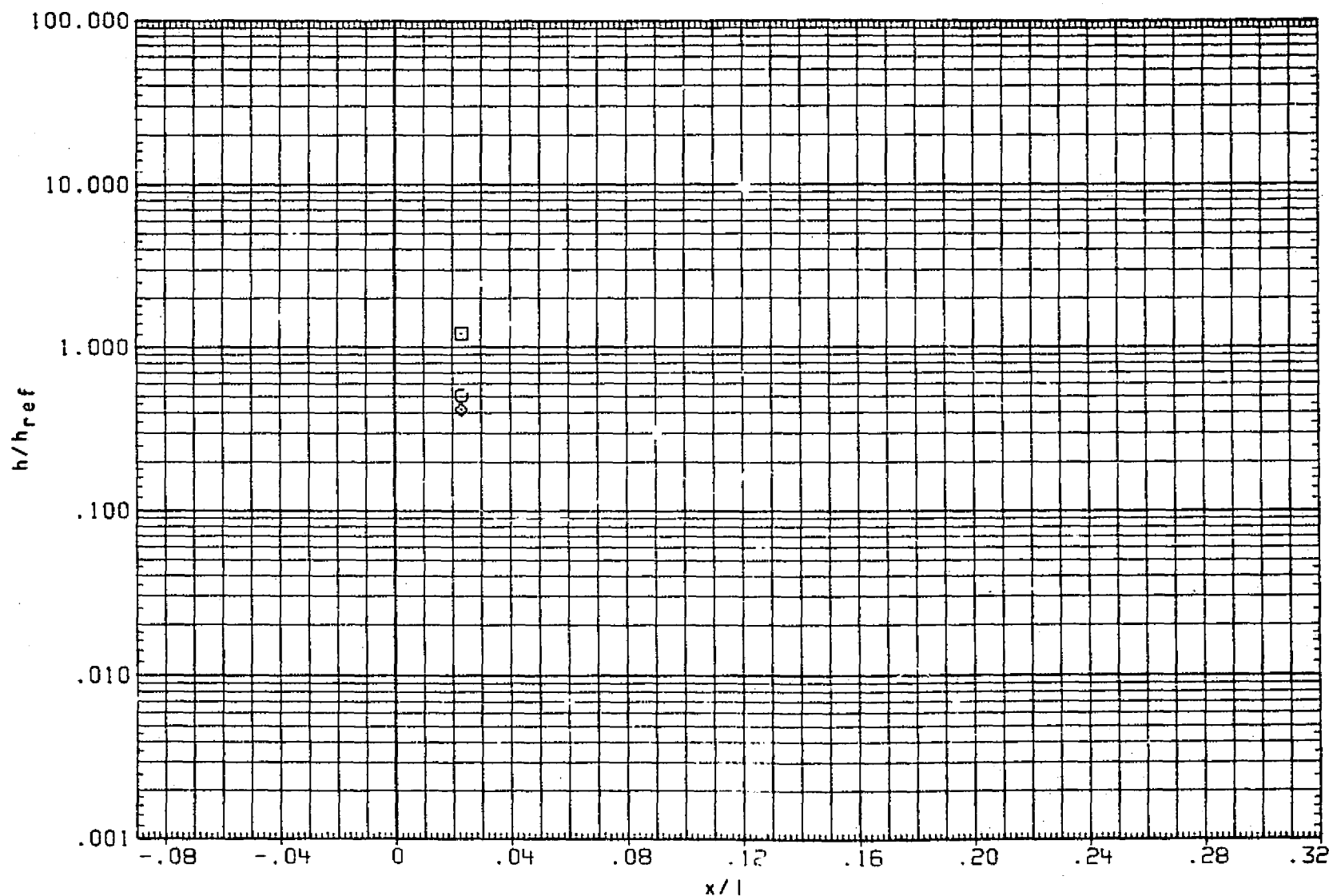


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1340

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

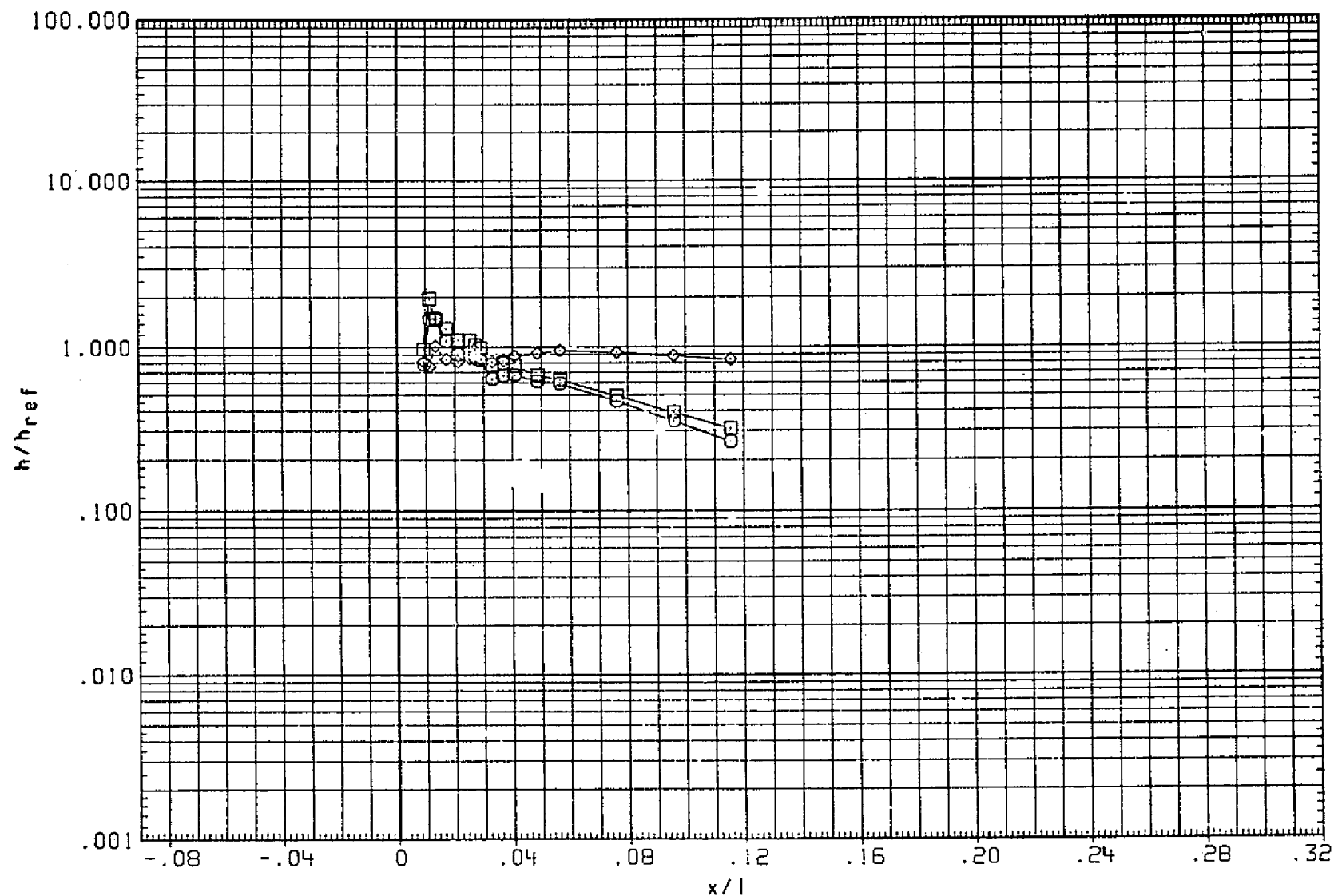


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

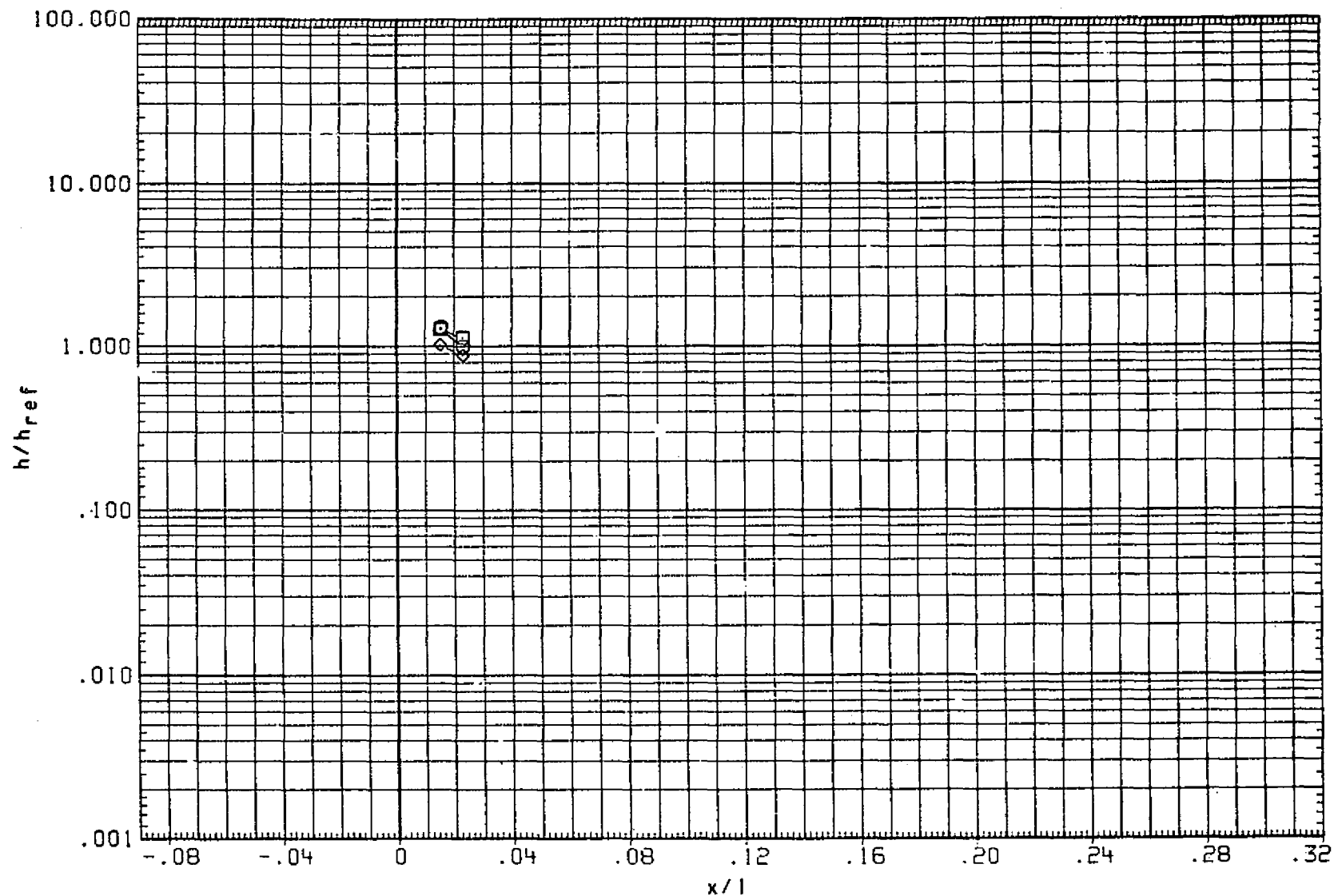


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

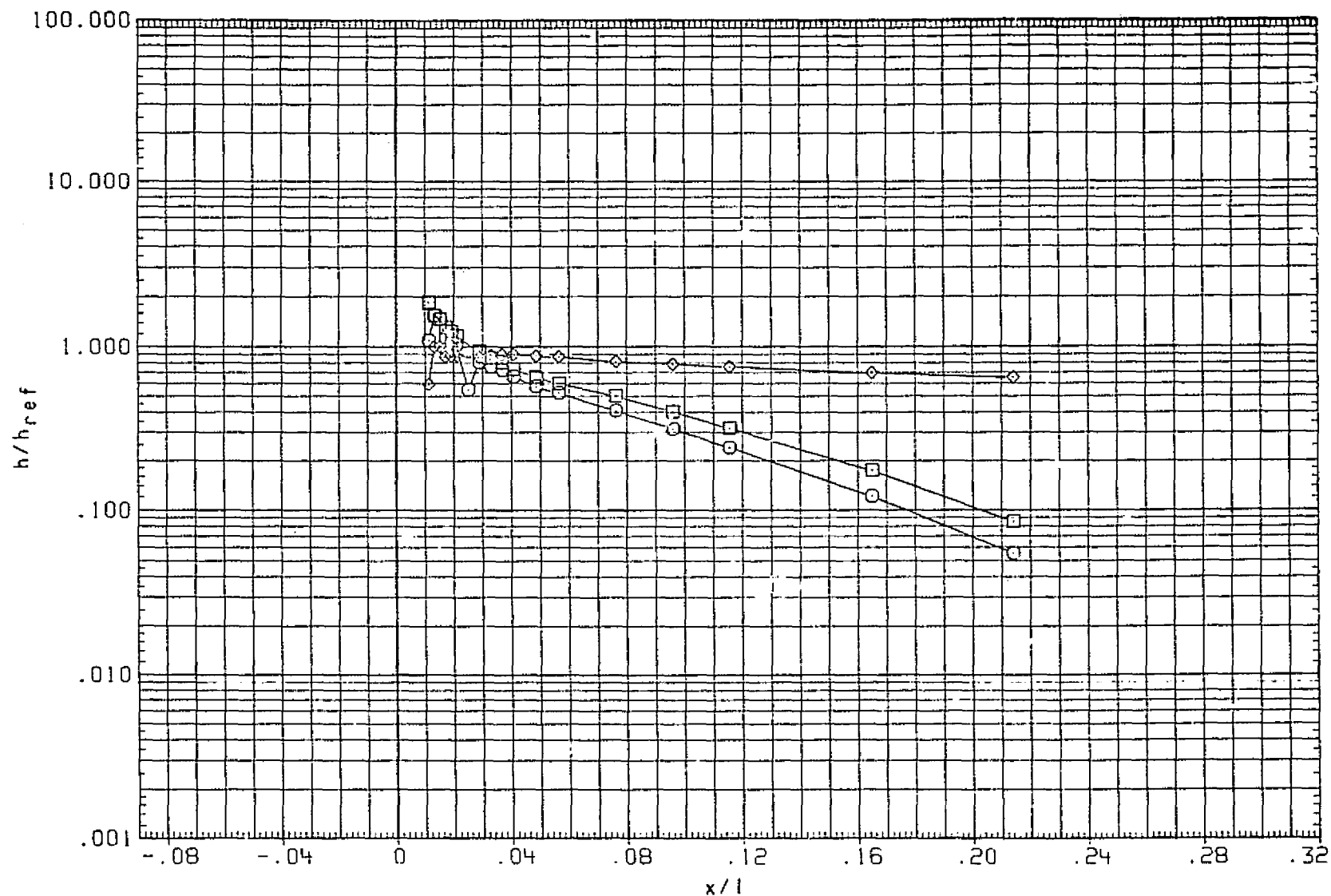


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

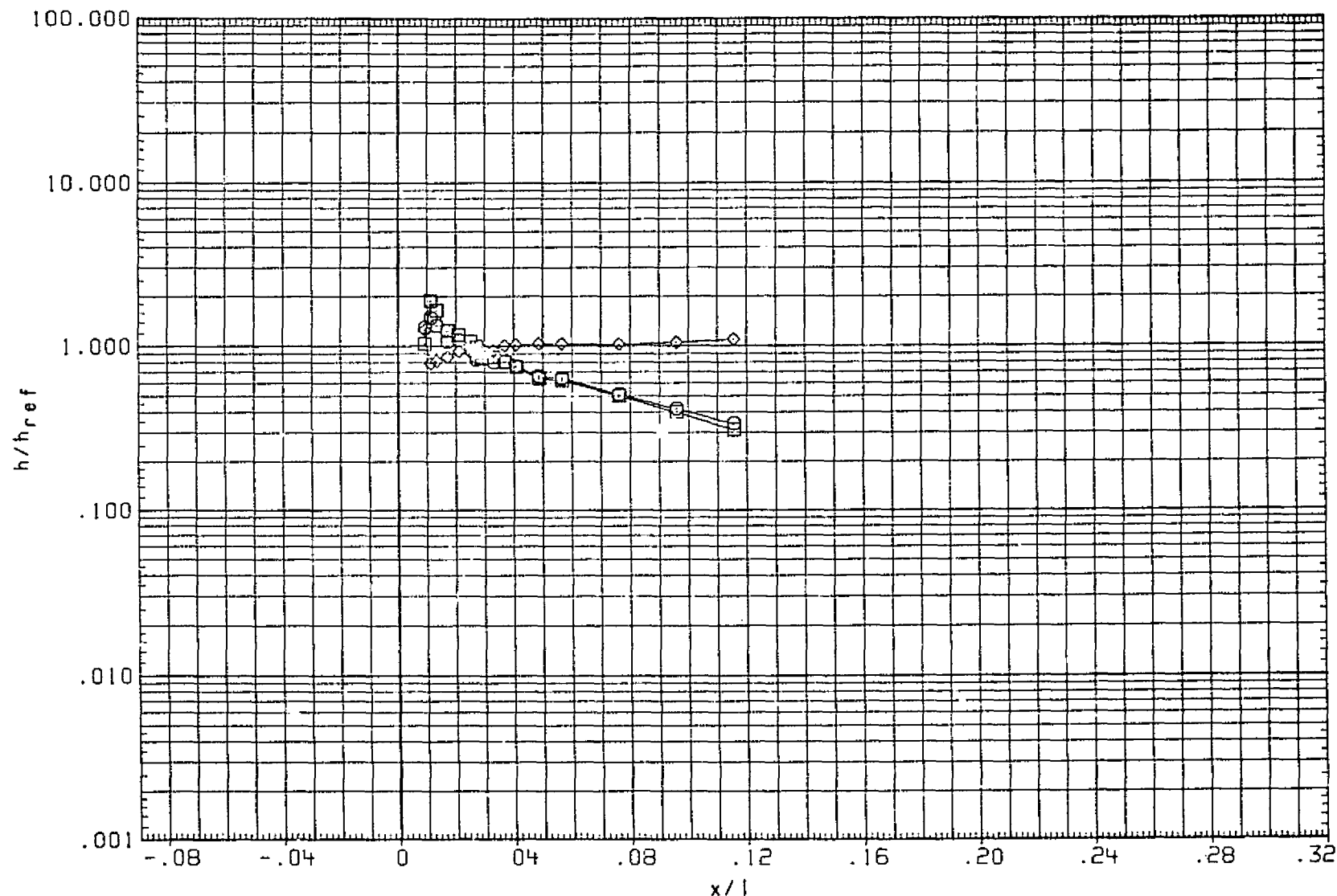


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1344

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

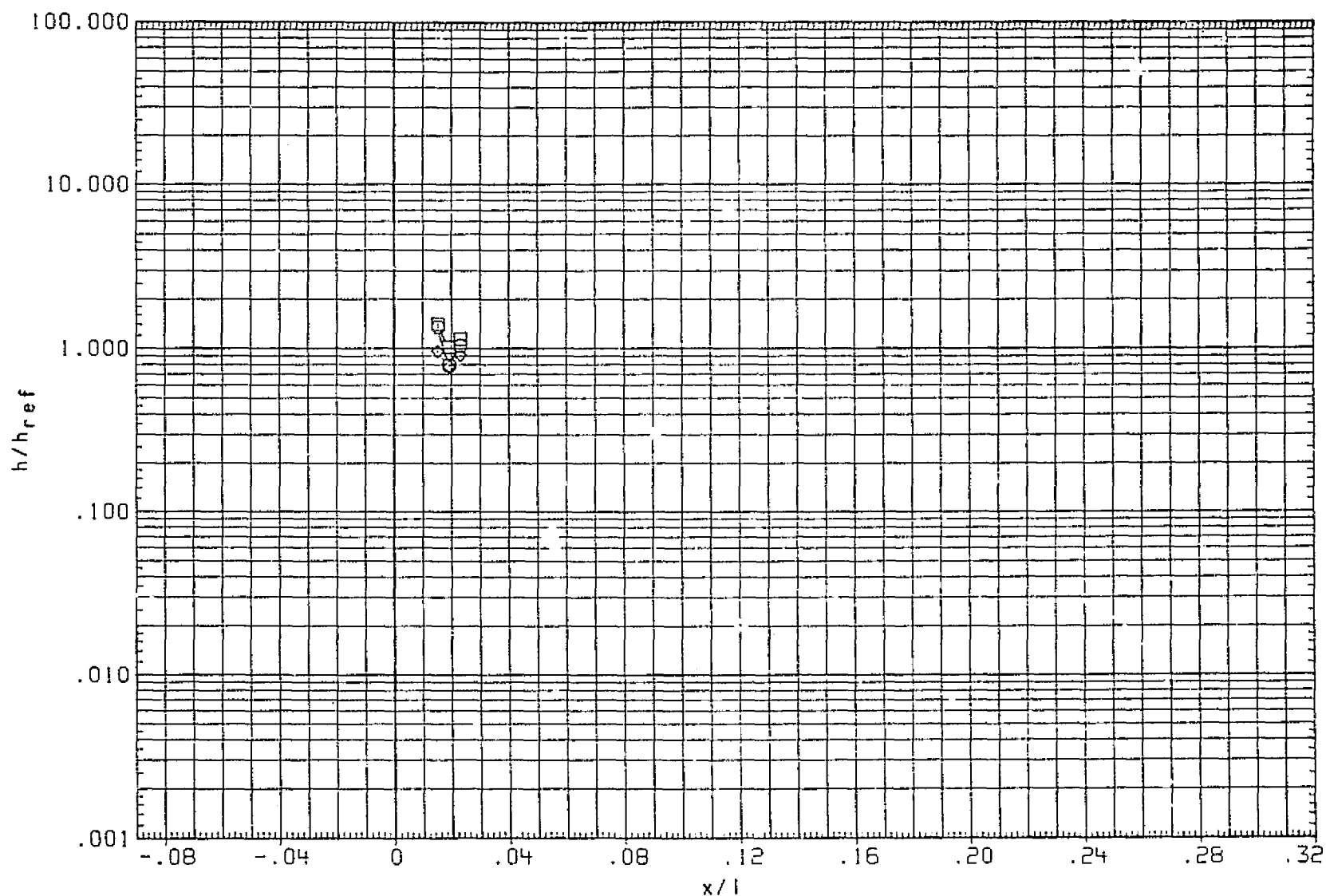


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

PAGE 1345

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

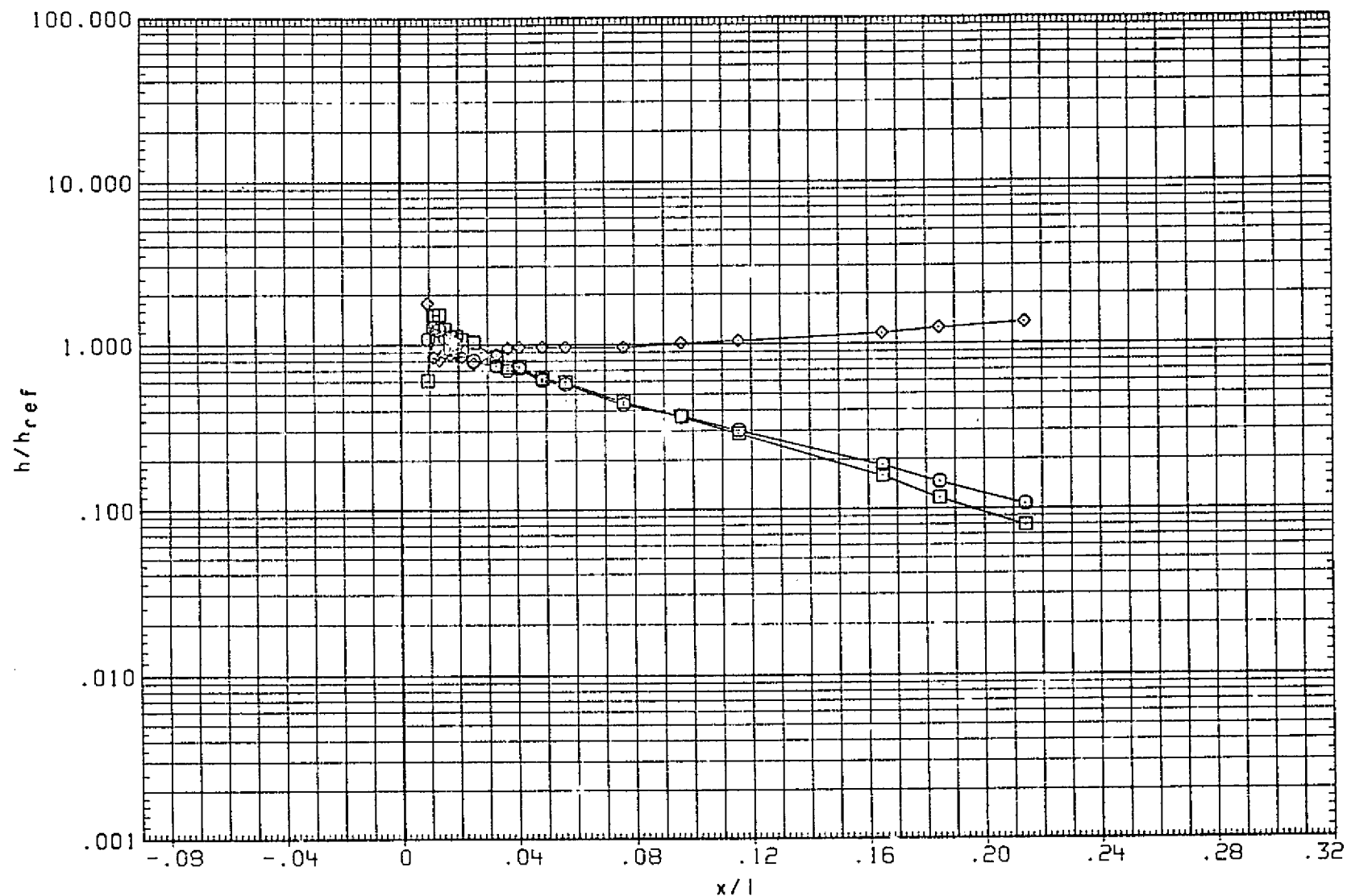


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

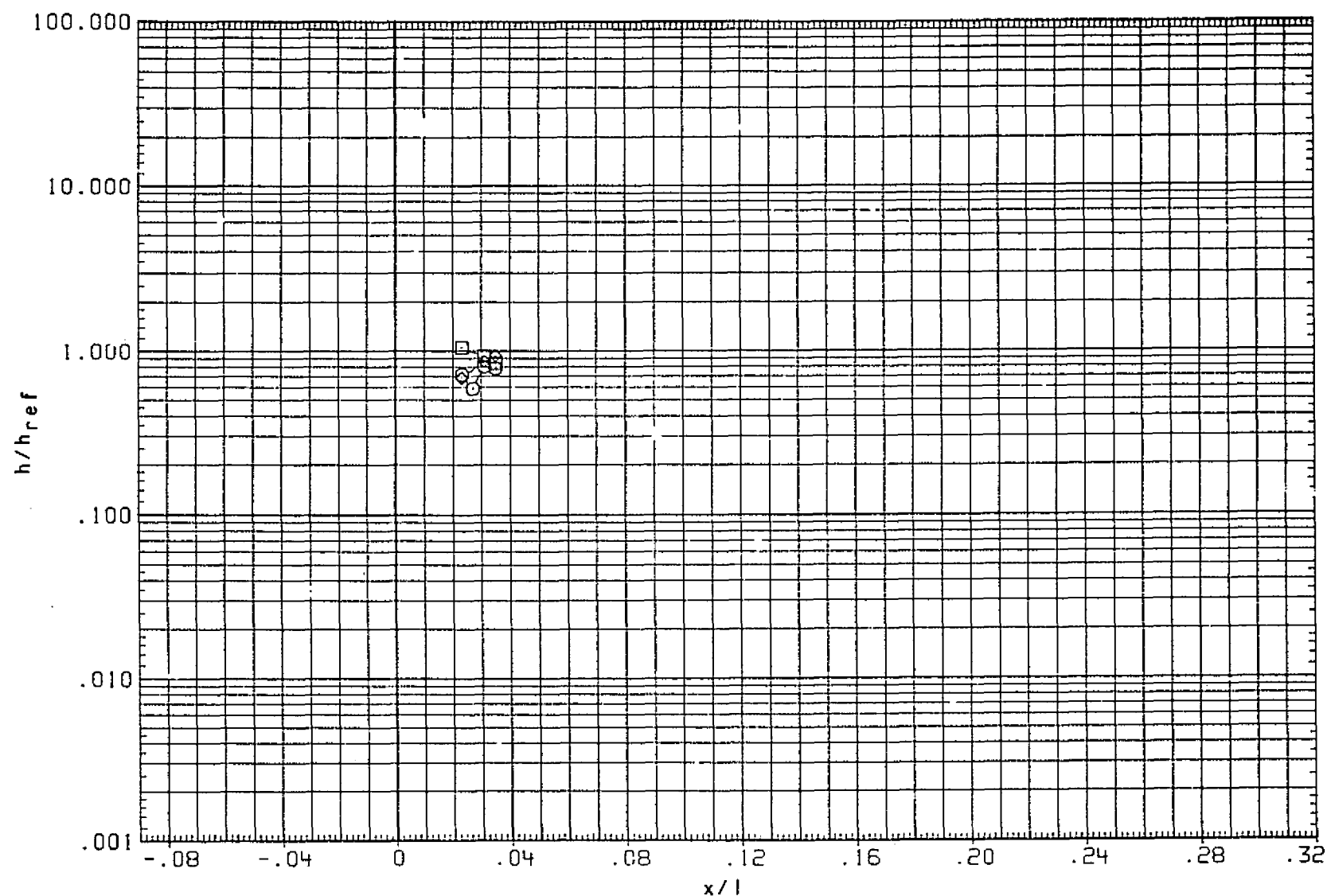


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

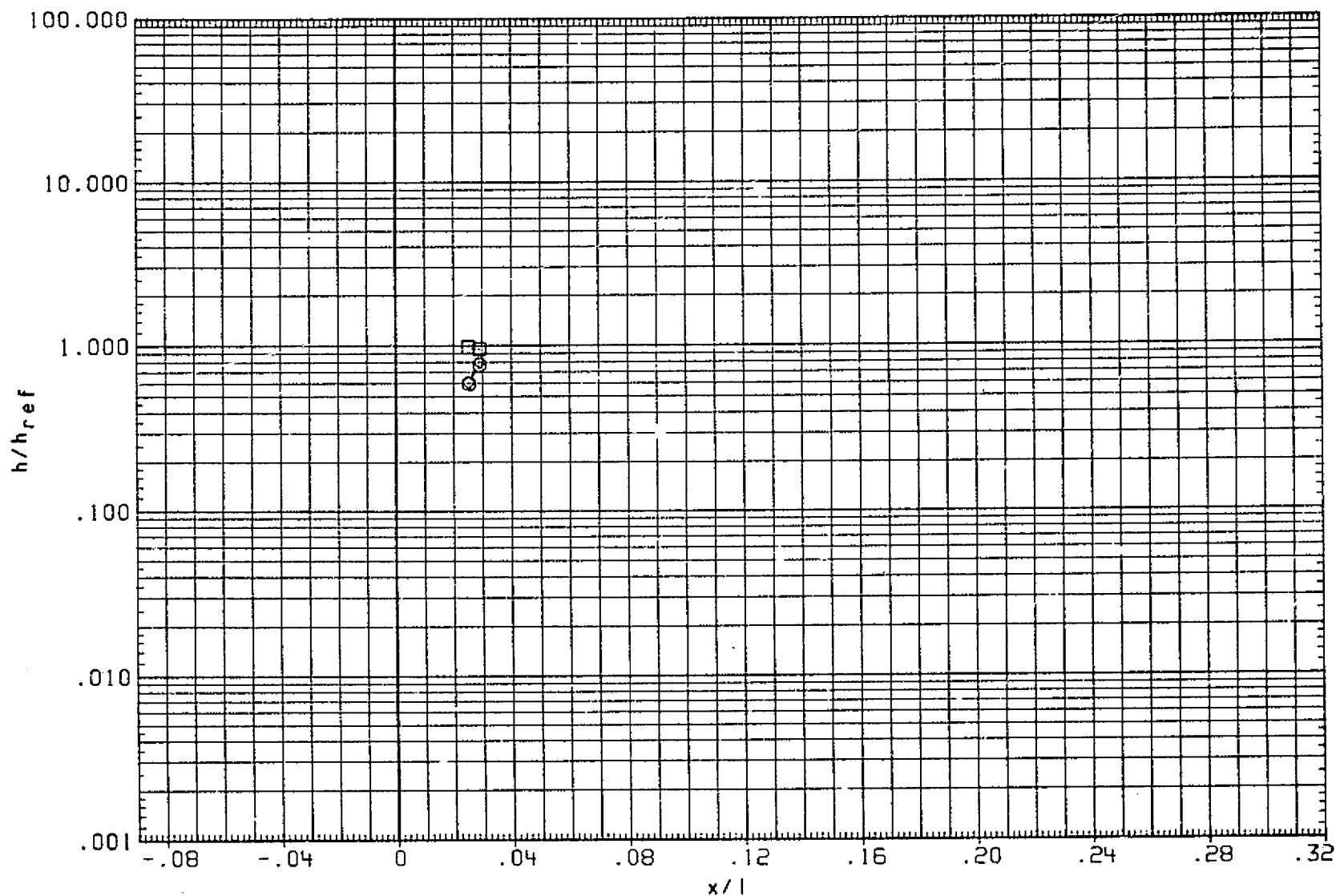


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1348

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

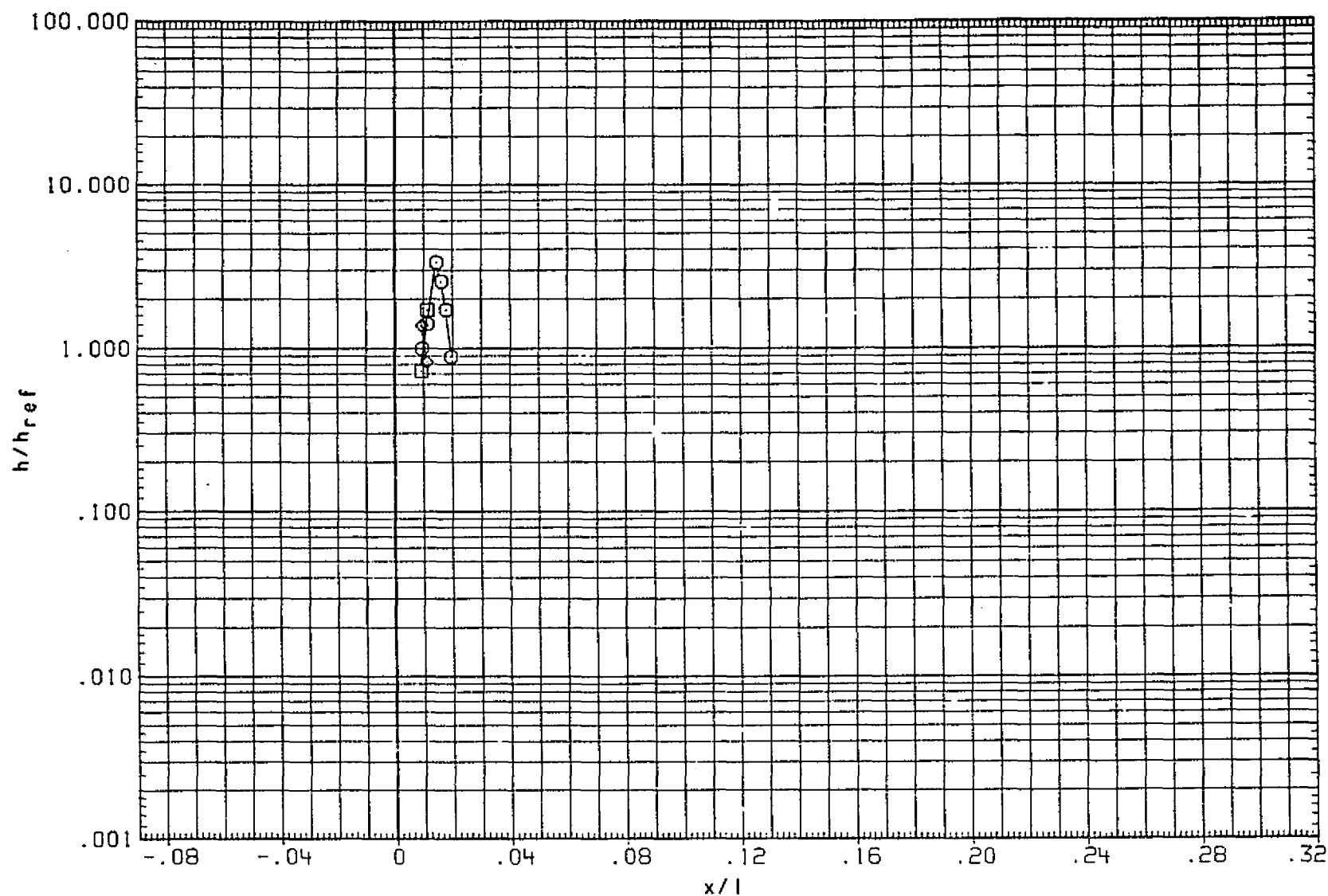


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT17)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)

ALPHA	BETA	RN/L
-5.000	-3.000	5.000
.000	.000	5.000
		5.000

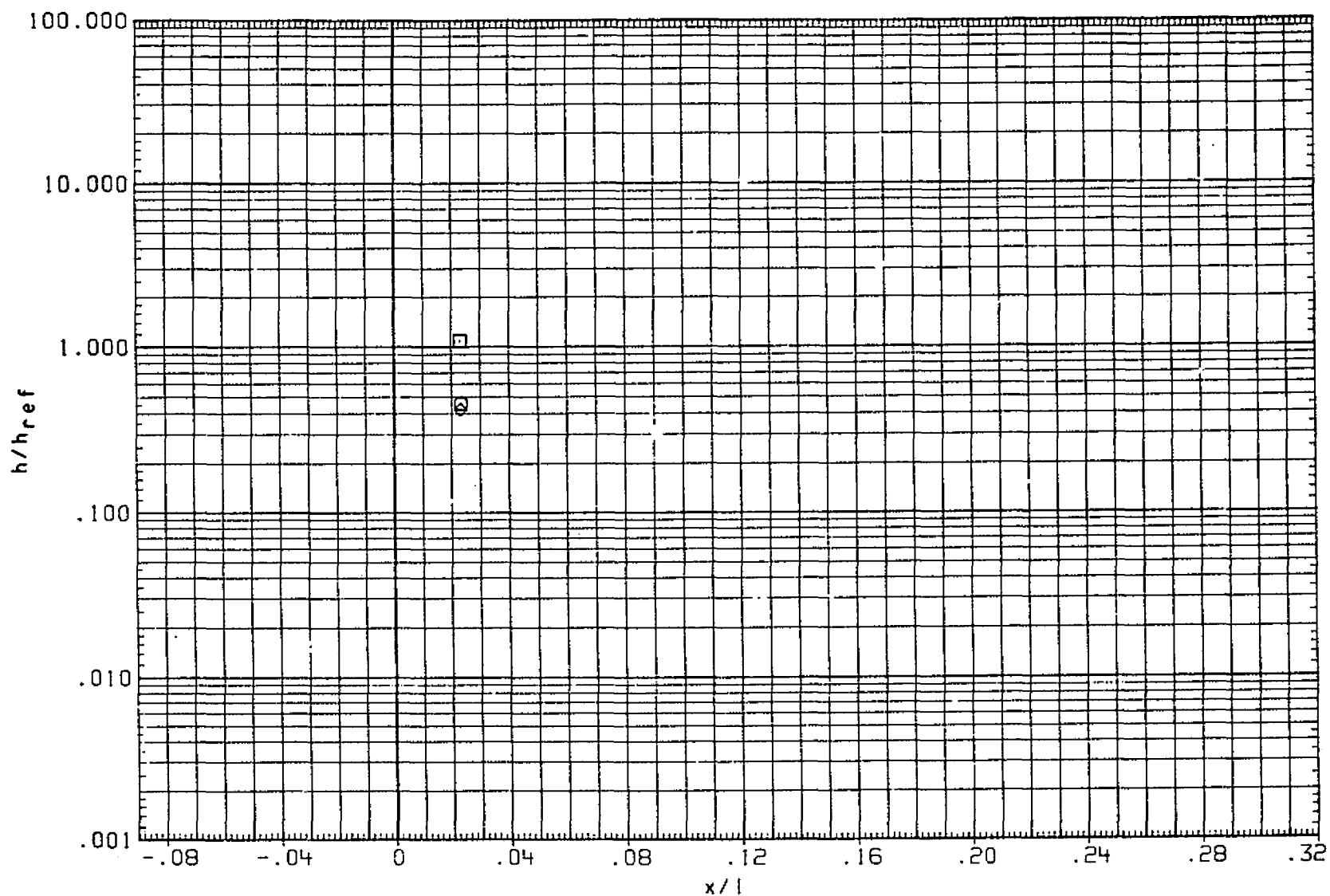


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1350

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

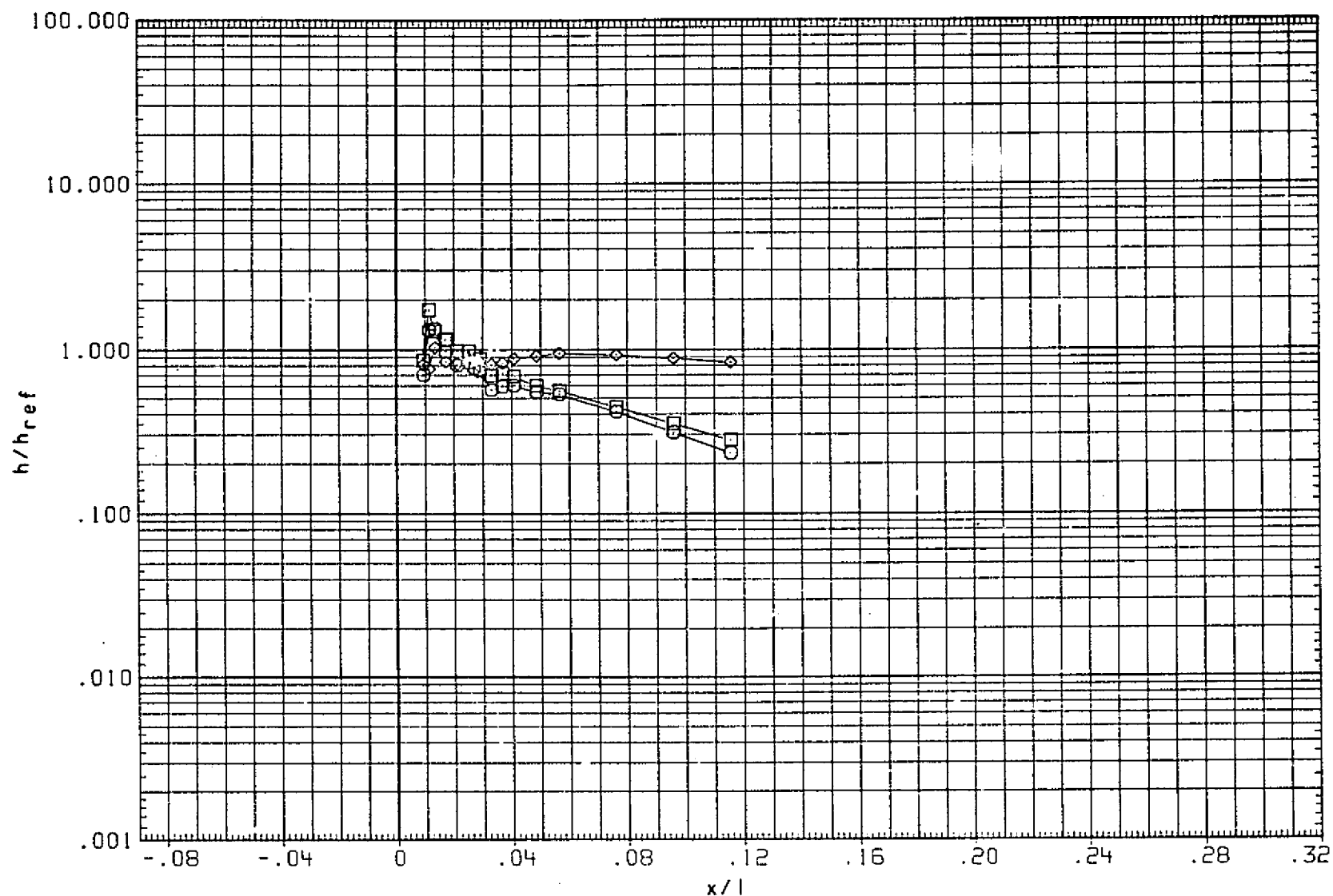


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

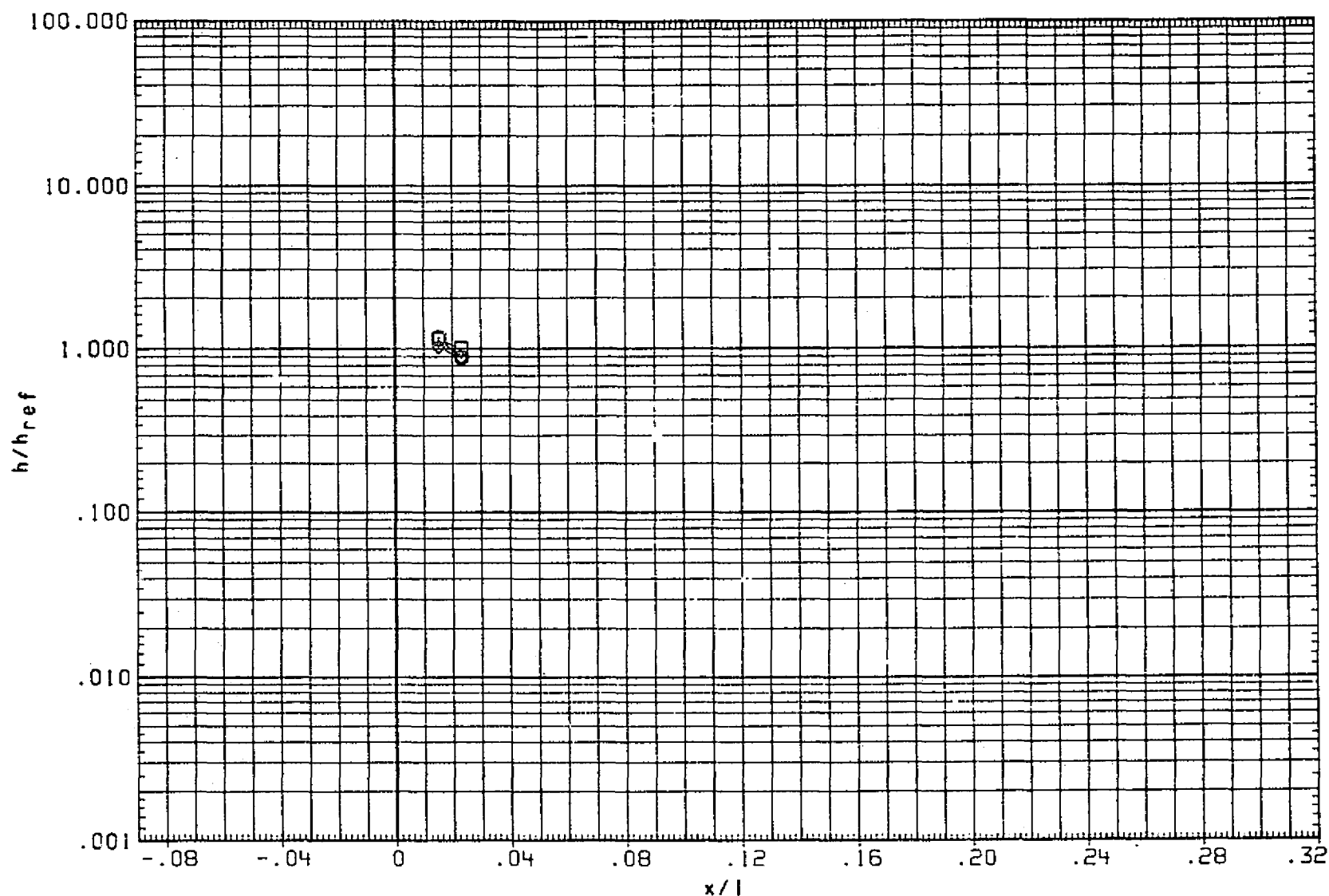


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE-PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

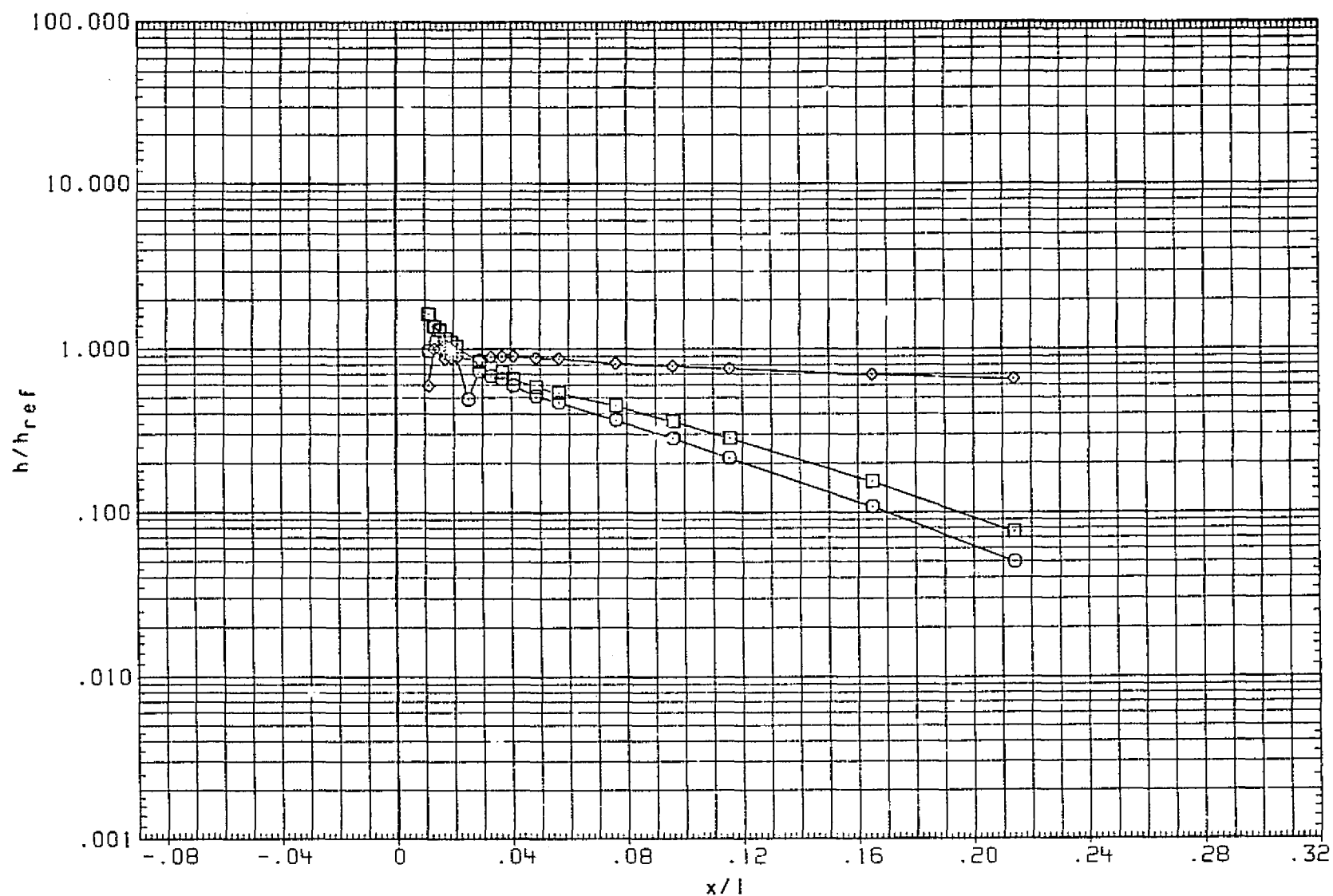


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT131	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROFUB	-5.000	-3.000	5.000
RNTT201	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
ICN**151	◇	ARC3.5-215(FH14) HI/HU (RNTT131/RNTT201)			5.000

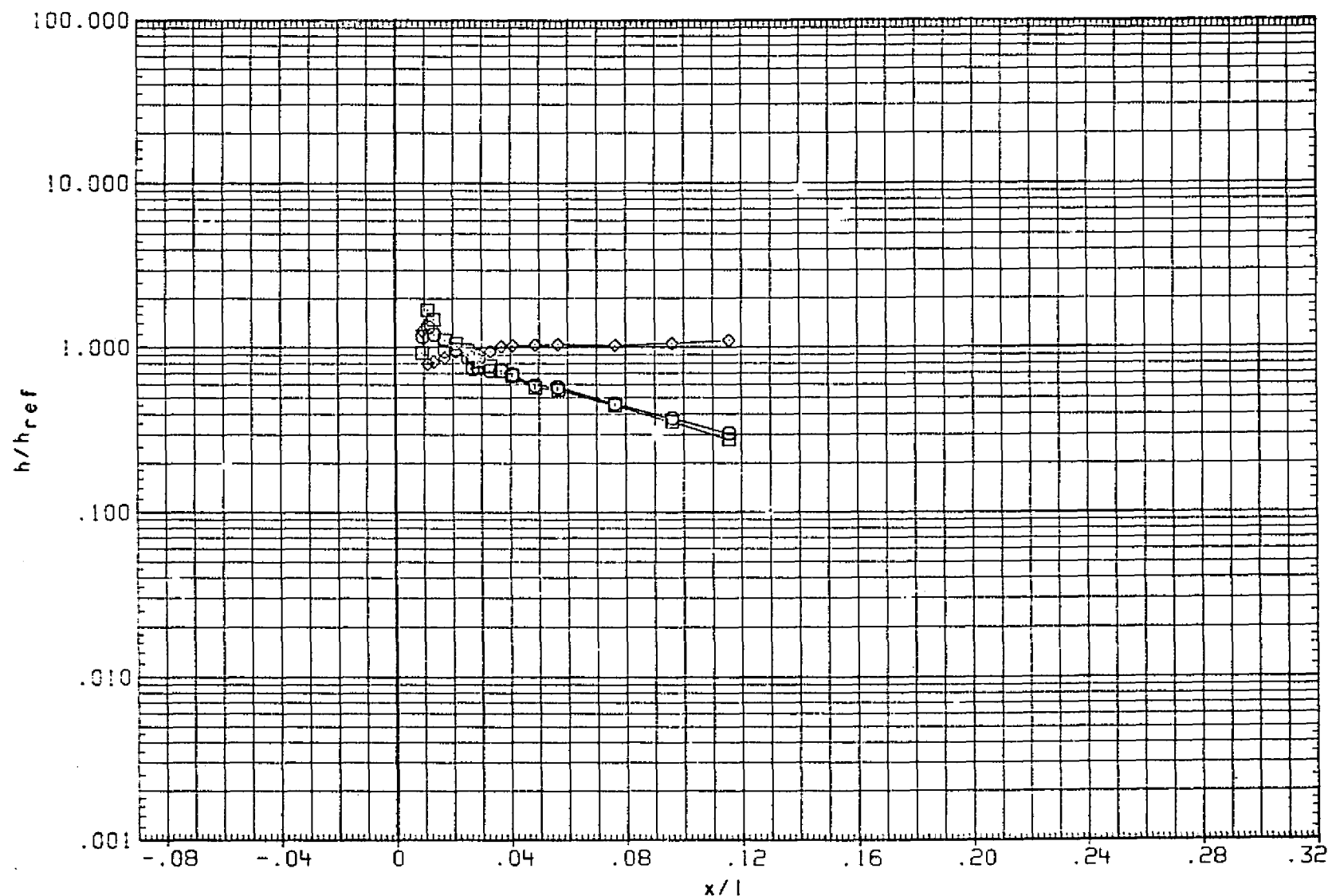


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1354

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

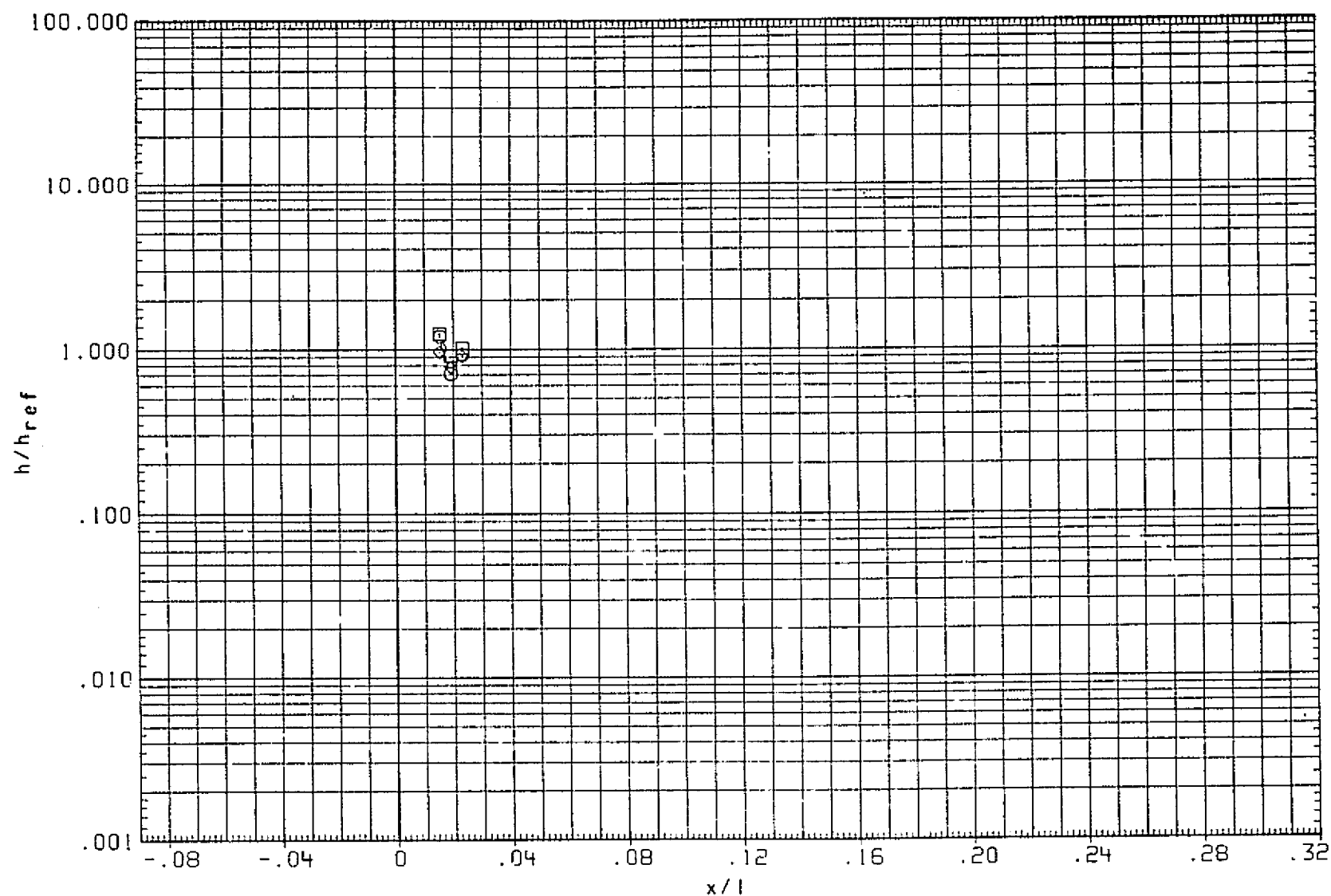


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

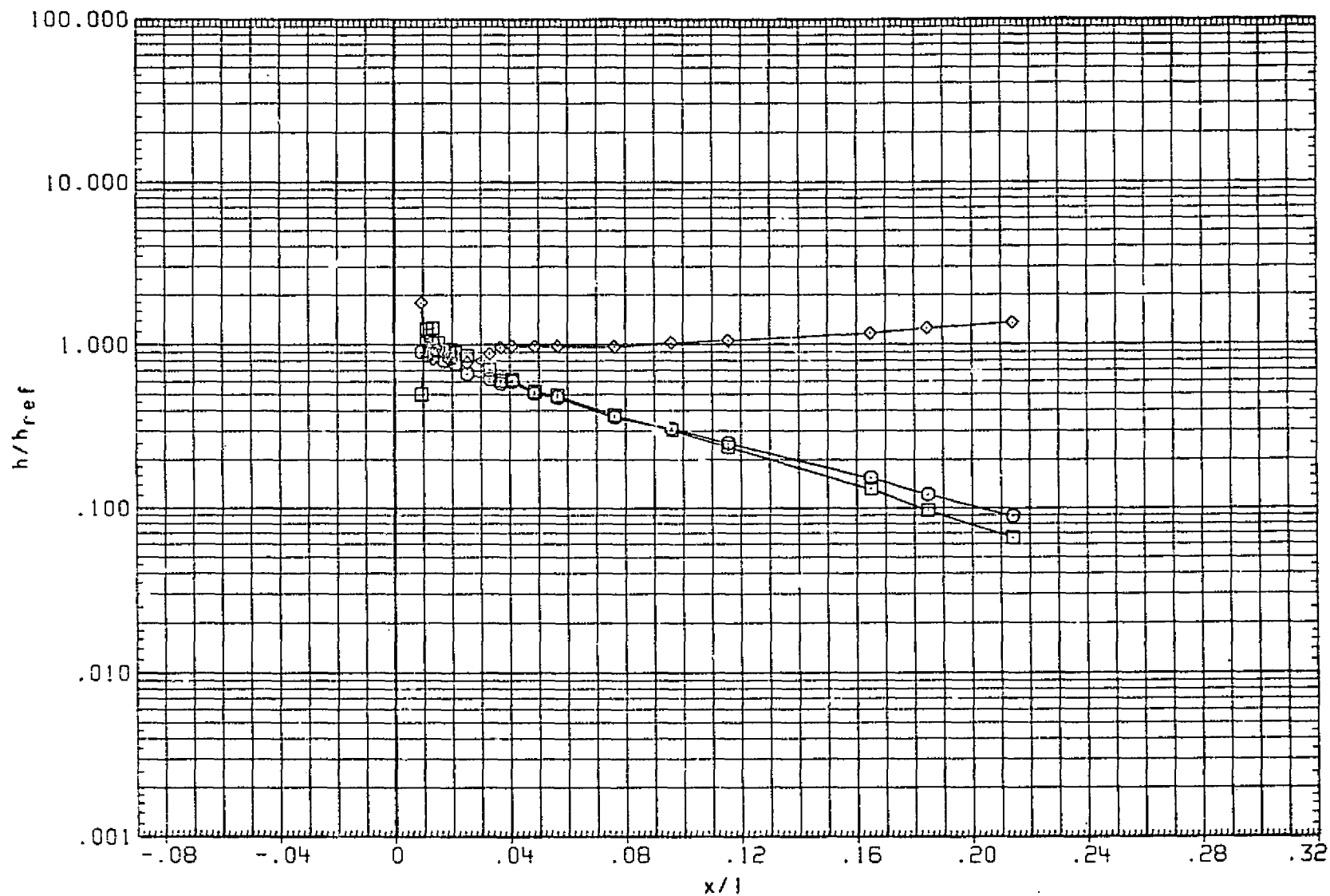


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

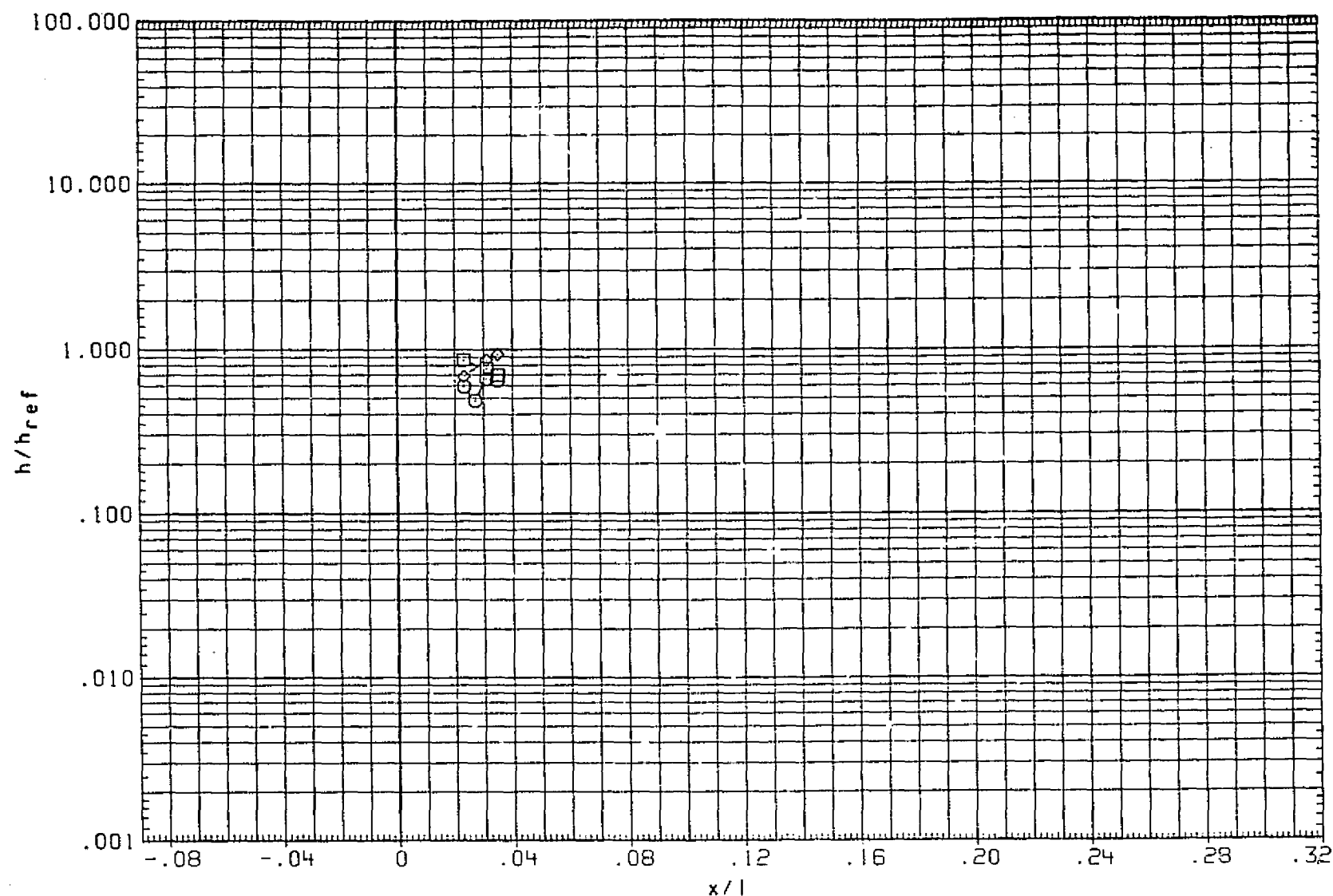


FIG. 15 TANK FOREBODY  $H1/HU$  ( $\alpha=0$ ,  $\beta=0$  FOR  $HU$ )

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HJ (RNTT13/RNTT20)			5.000

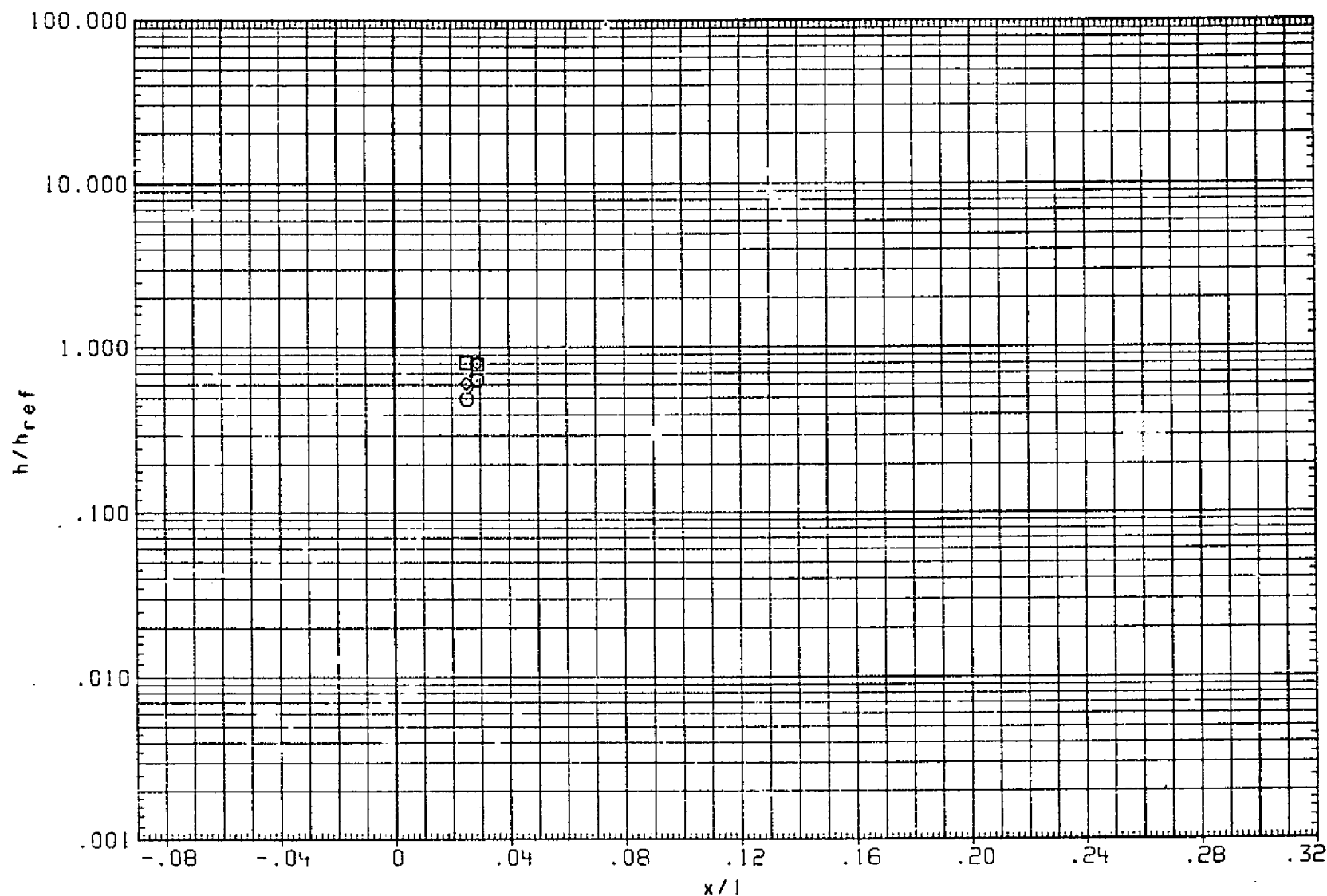


FIG. 15 TANK FOREBODY H1/HJ (ALPHA=0 ,BETA=0 FOR HJ)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

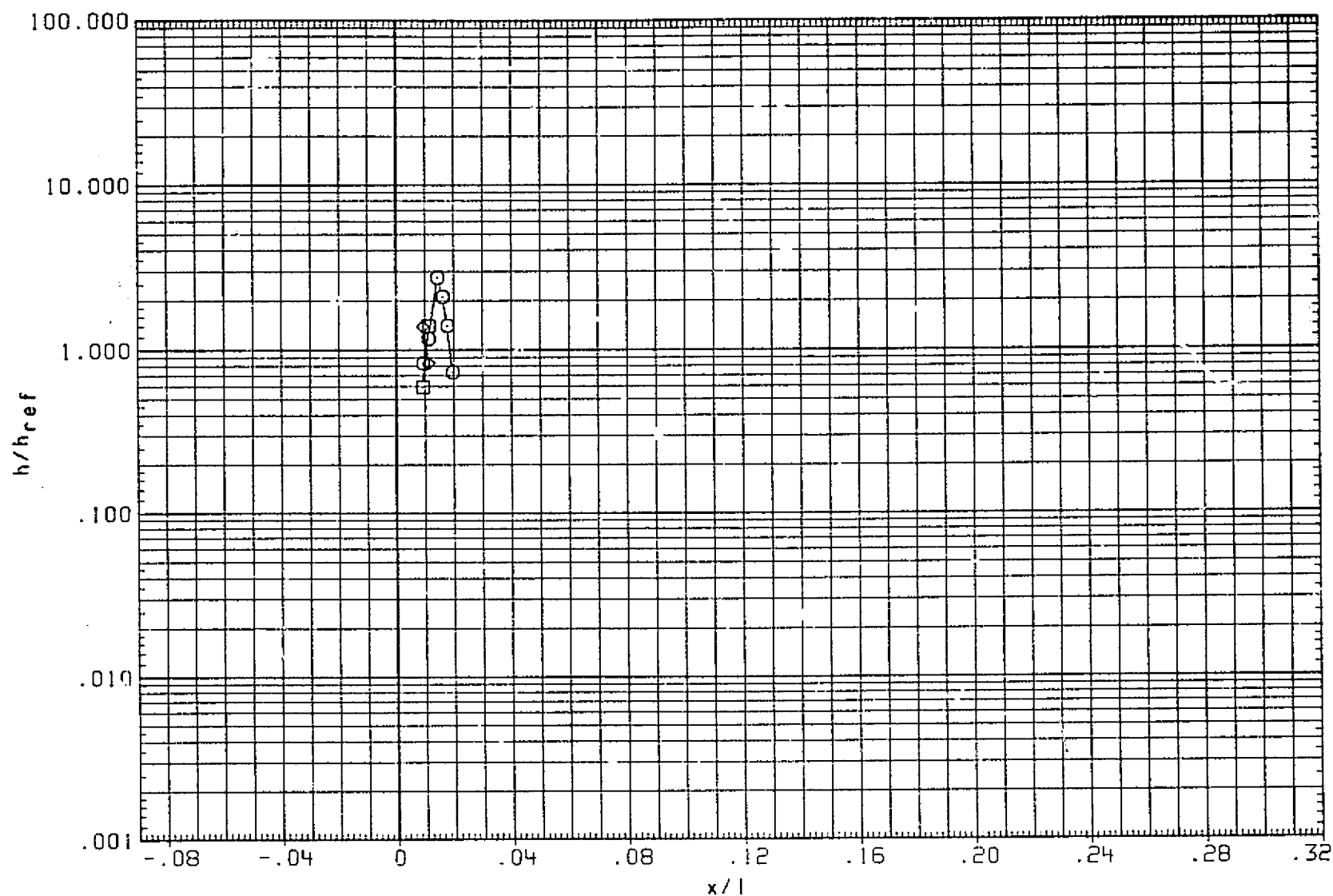


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(RNTT13)	◇	ARC3.5-215(FH14) 1:1/HU (RNTT13/RNTT20)			5.000

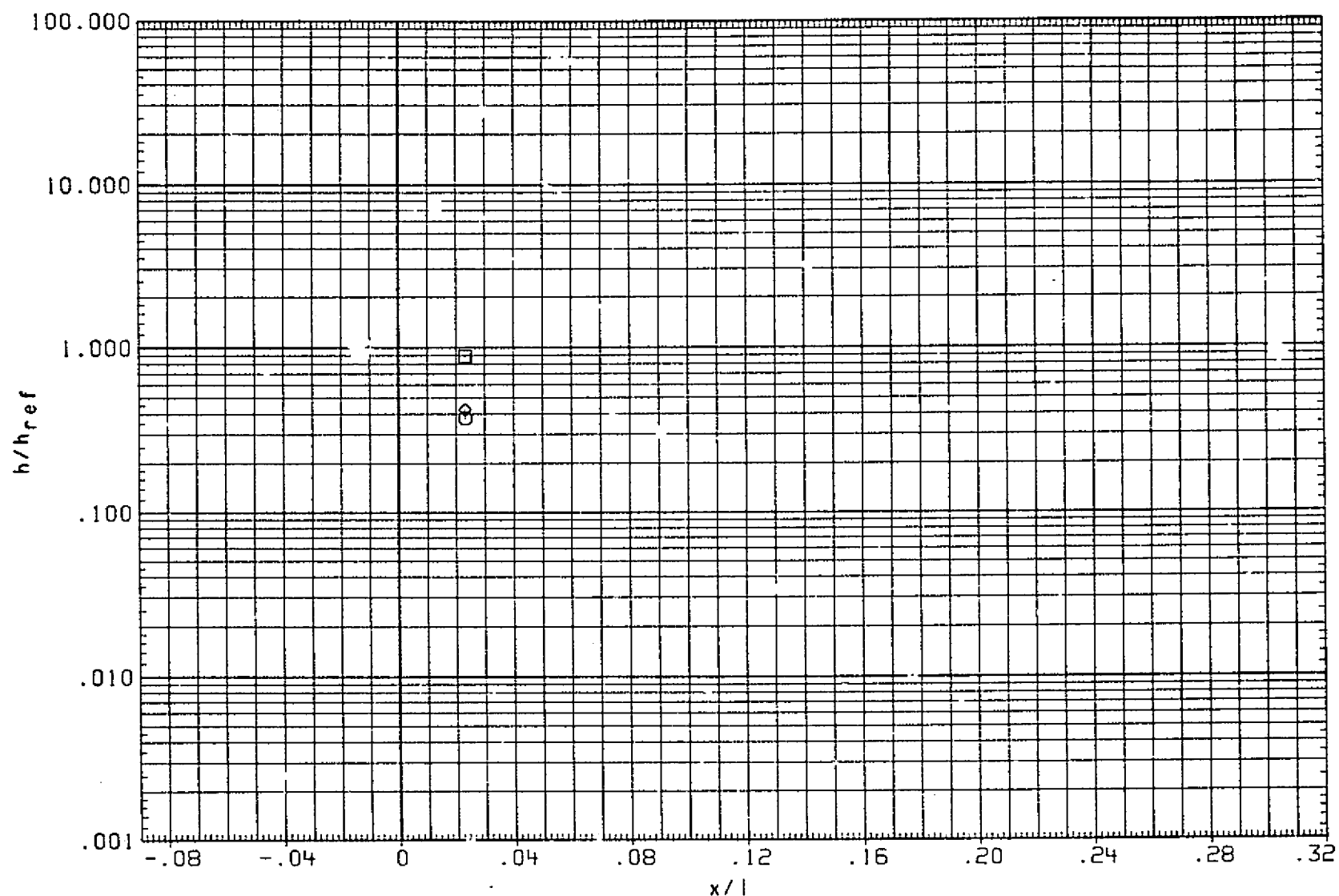


FIG. 15 TANK FOREBODY  $h_i/h_u$  ( $\alpha=0$ ,  $\beta=0$  FOR  $HJ$ )

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1360

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

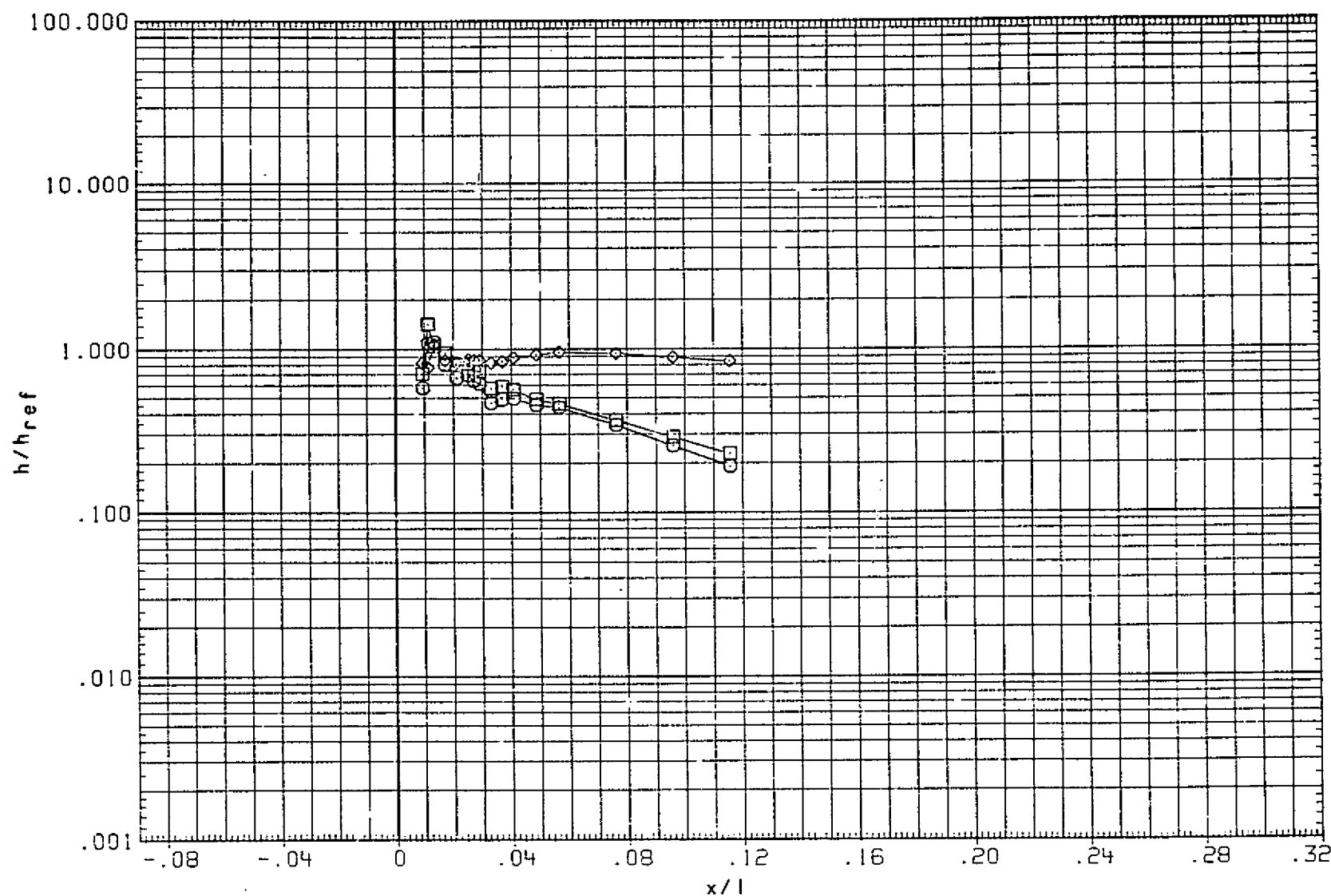


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H/HU (RNTT13/RNTT20)			5.000

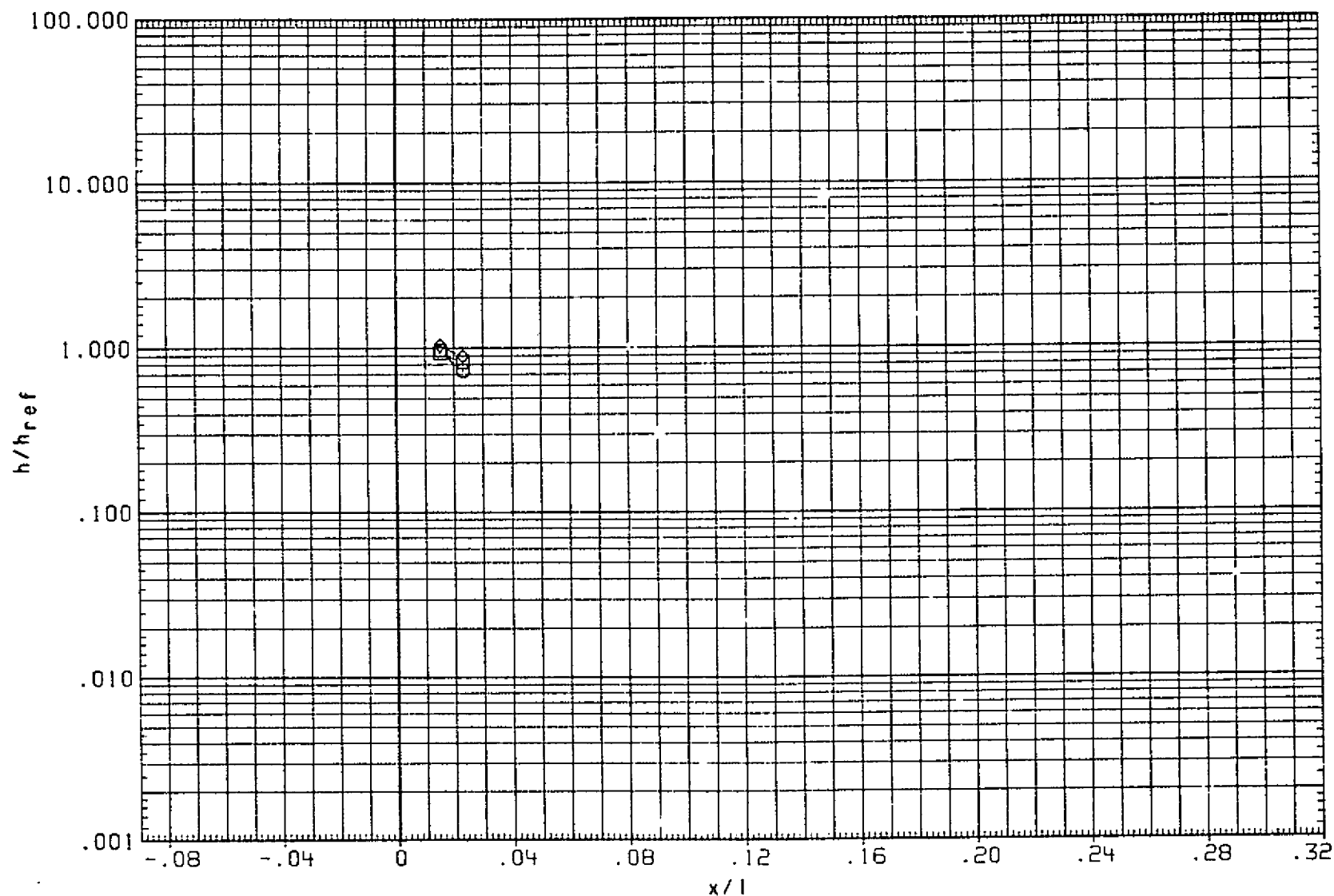


FIG. 15 TANK FOREBODY H/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) H1/HU (RNTT13/RNTT20)			5.000

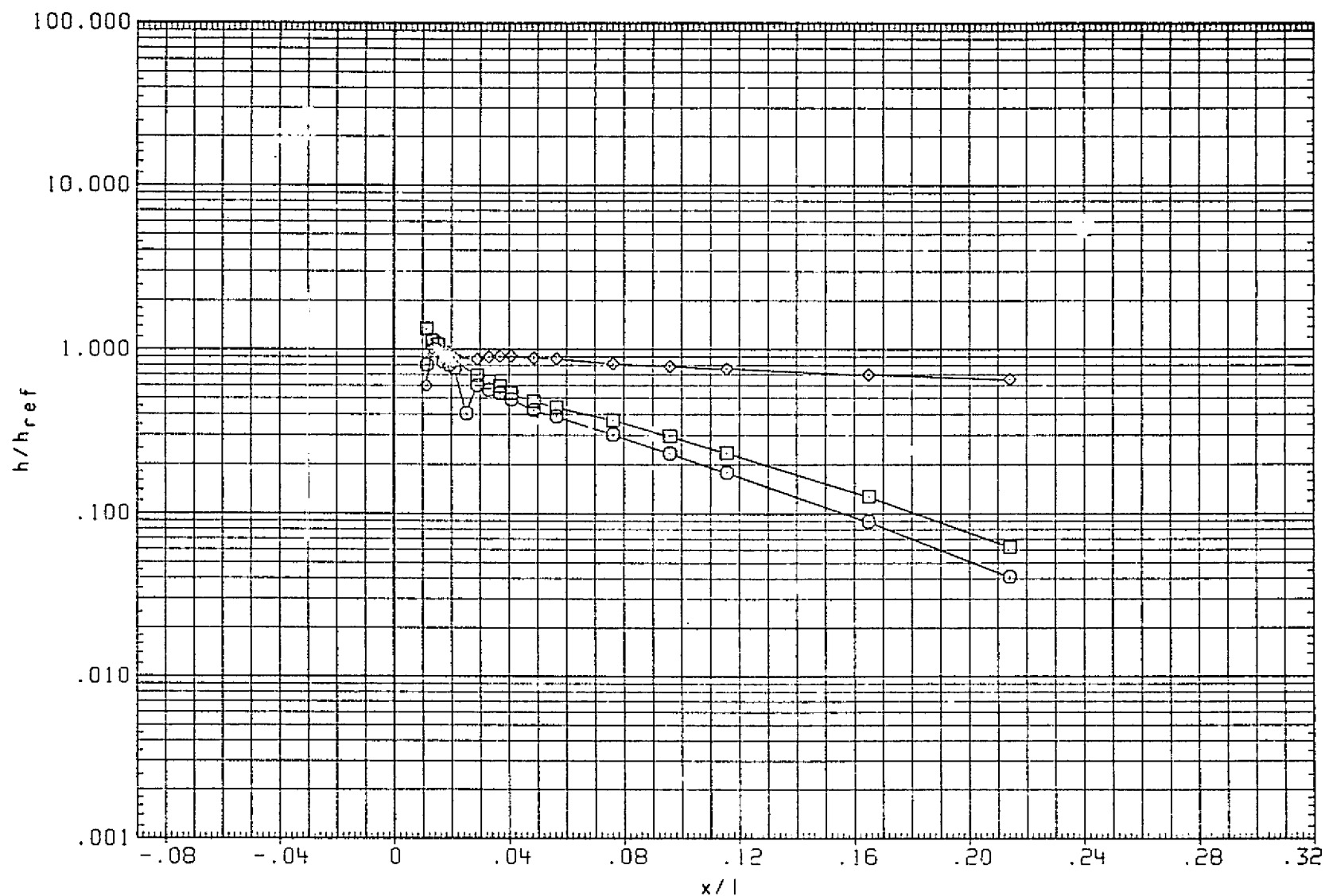


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

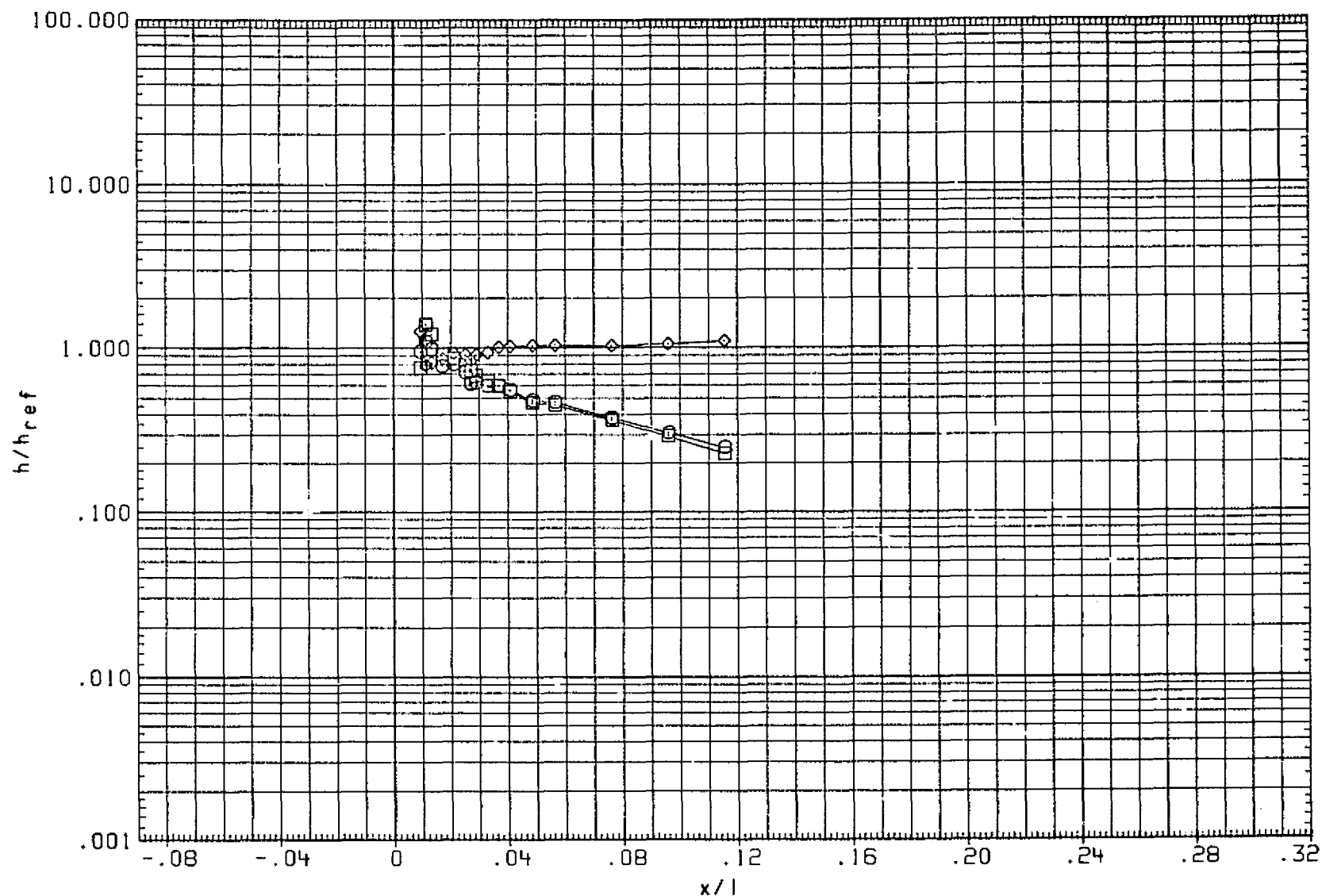


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1364

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT13)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	-5.000	-3.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT13)	◇	ARC3.5-215(FH14) HI/HU (RNTT13/RNTT20)			5.000

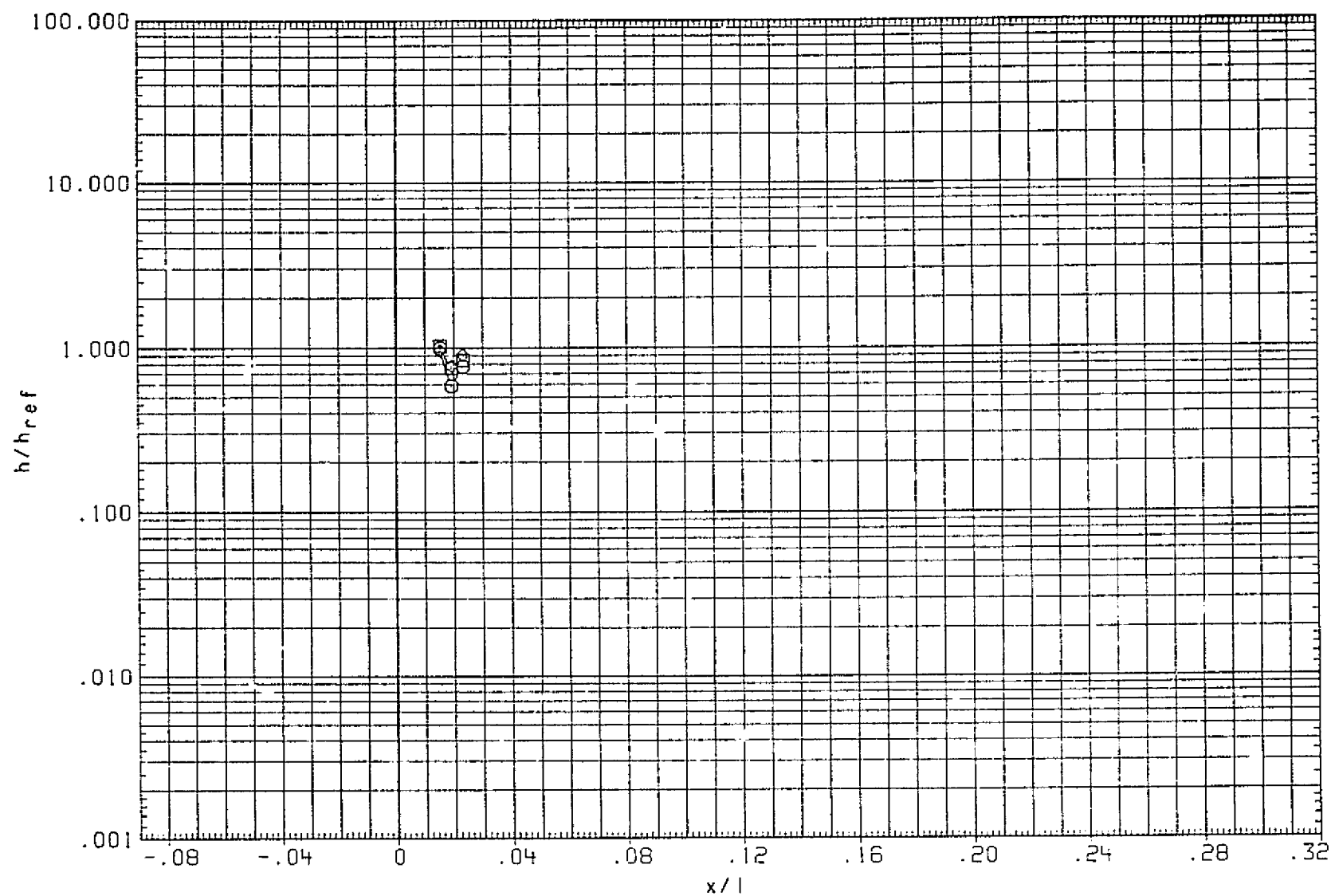


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-2151FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-2151FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-2151FH14) H1/HU (RNTT14/RNTT20)			5.000

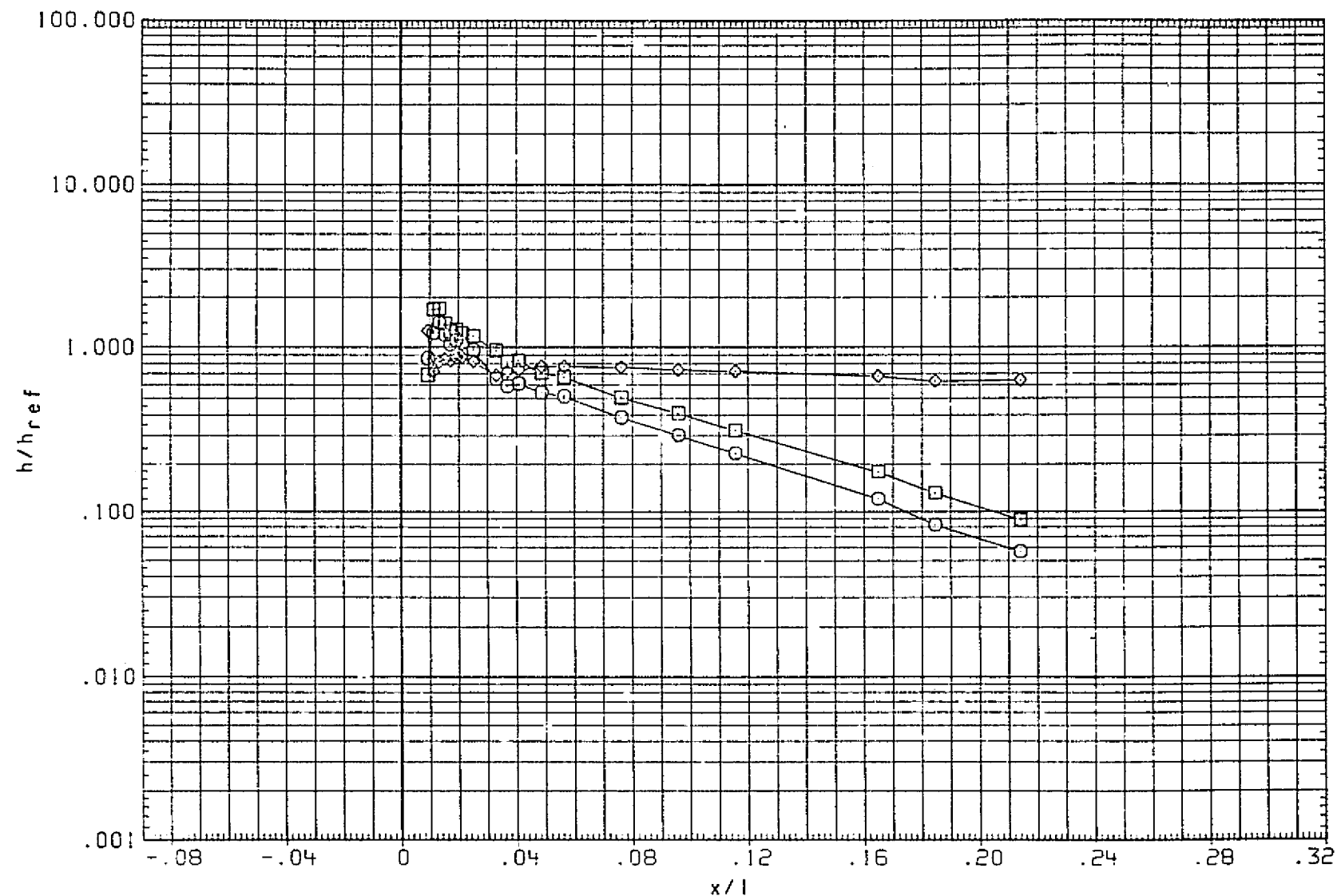


FIG. 15 TANK FOREBODY H1/HU ( $\alpha=0$ ,  $\beta=0$  FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

PAGE 1366

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

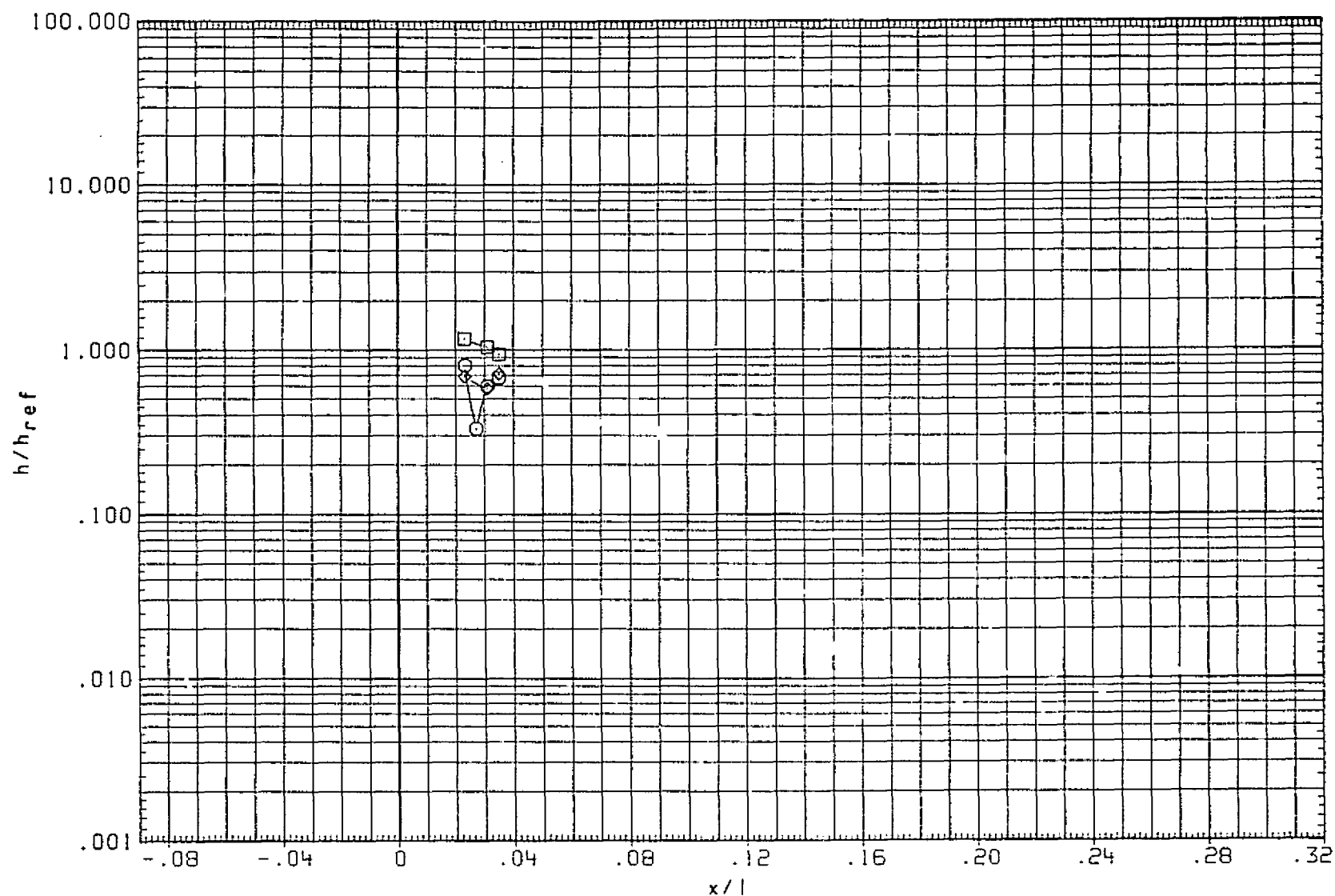


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RNTT14)  $\circ$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB  
 (RNTT20)  $\square$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)  
 (CNTT14)  $\diamond$  ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)

ALPHA BETA RN/L  
 5.000 -6.000 5.000  
 .000 .000 5.000  
 5.000

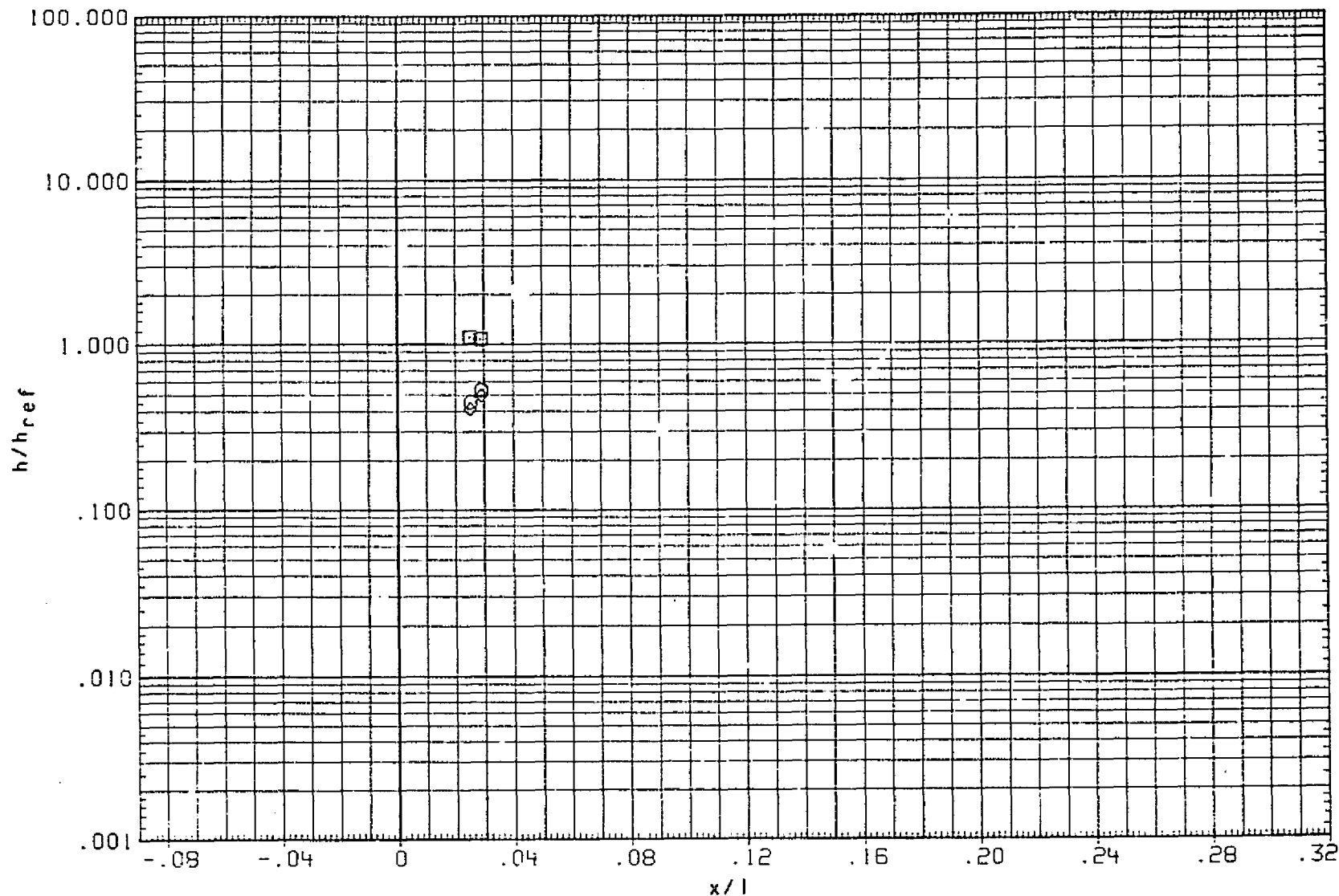


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

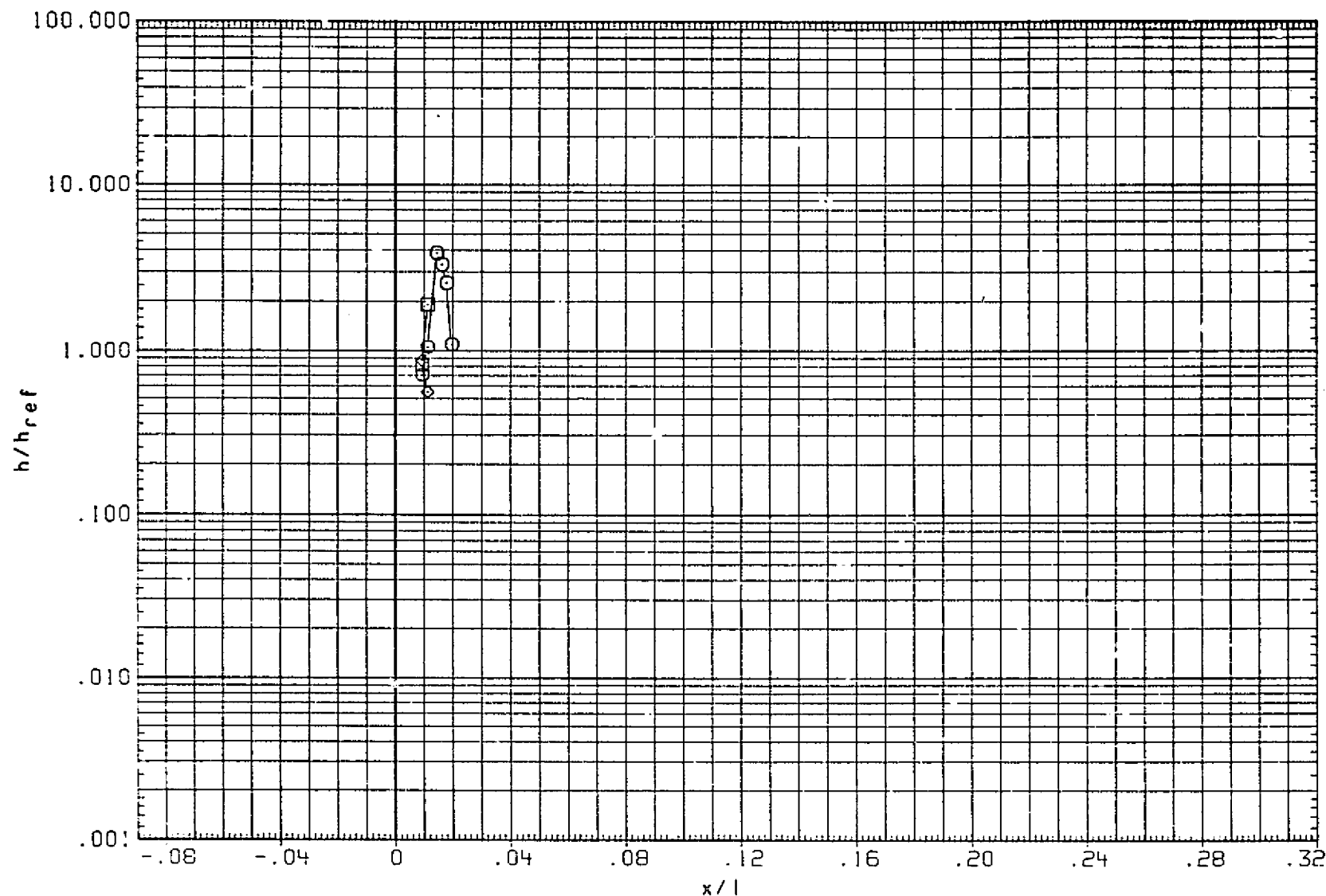


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

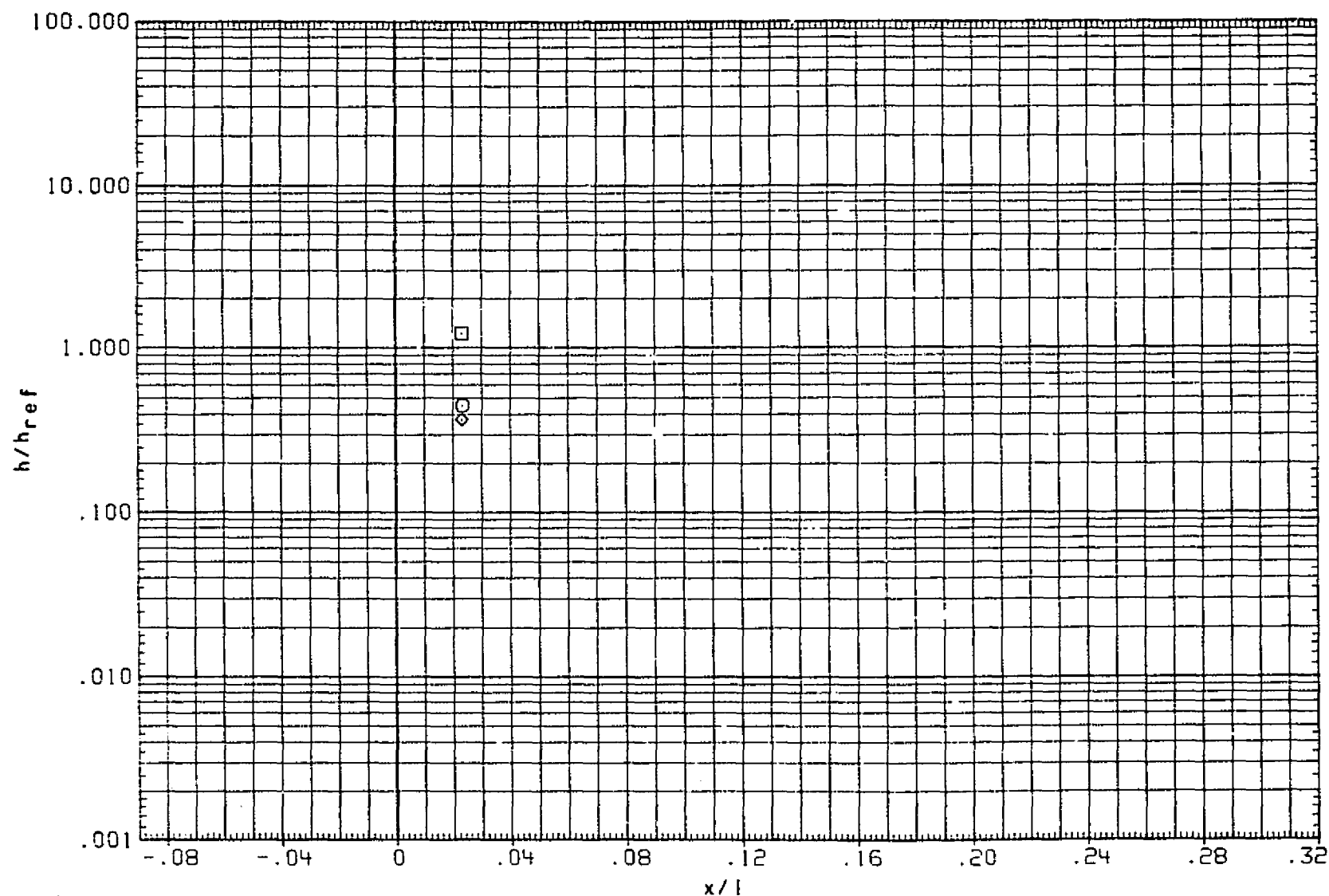


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1370

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN. L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

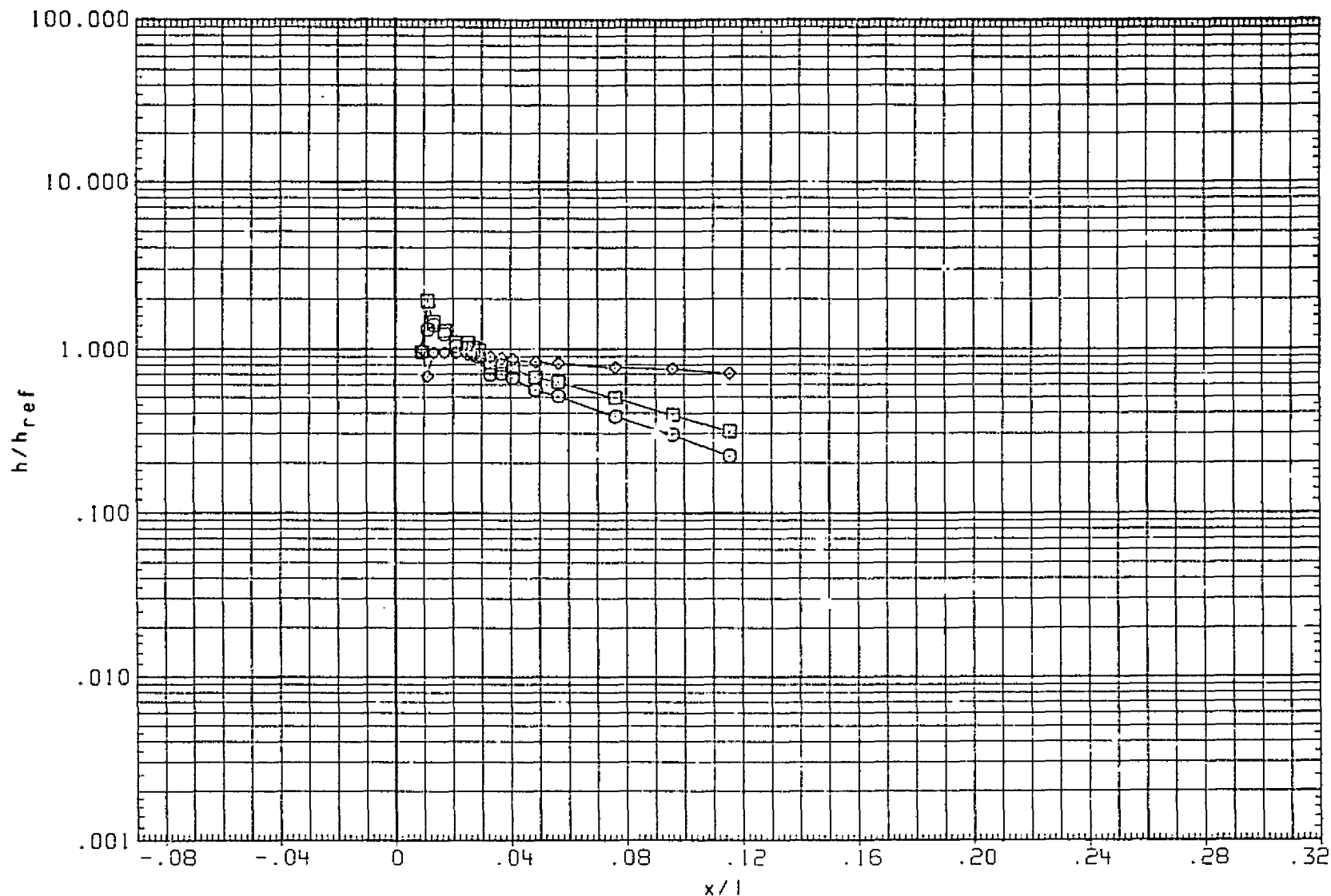


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

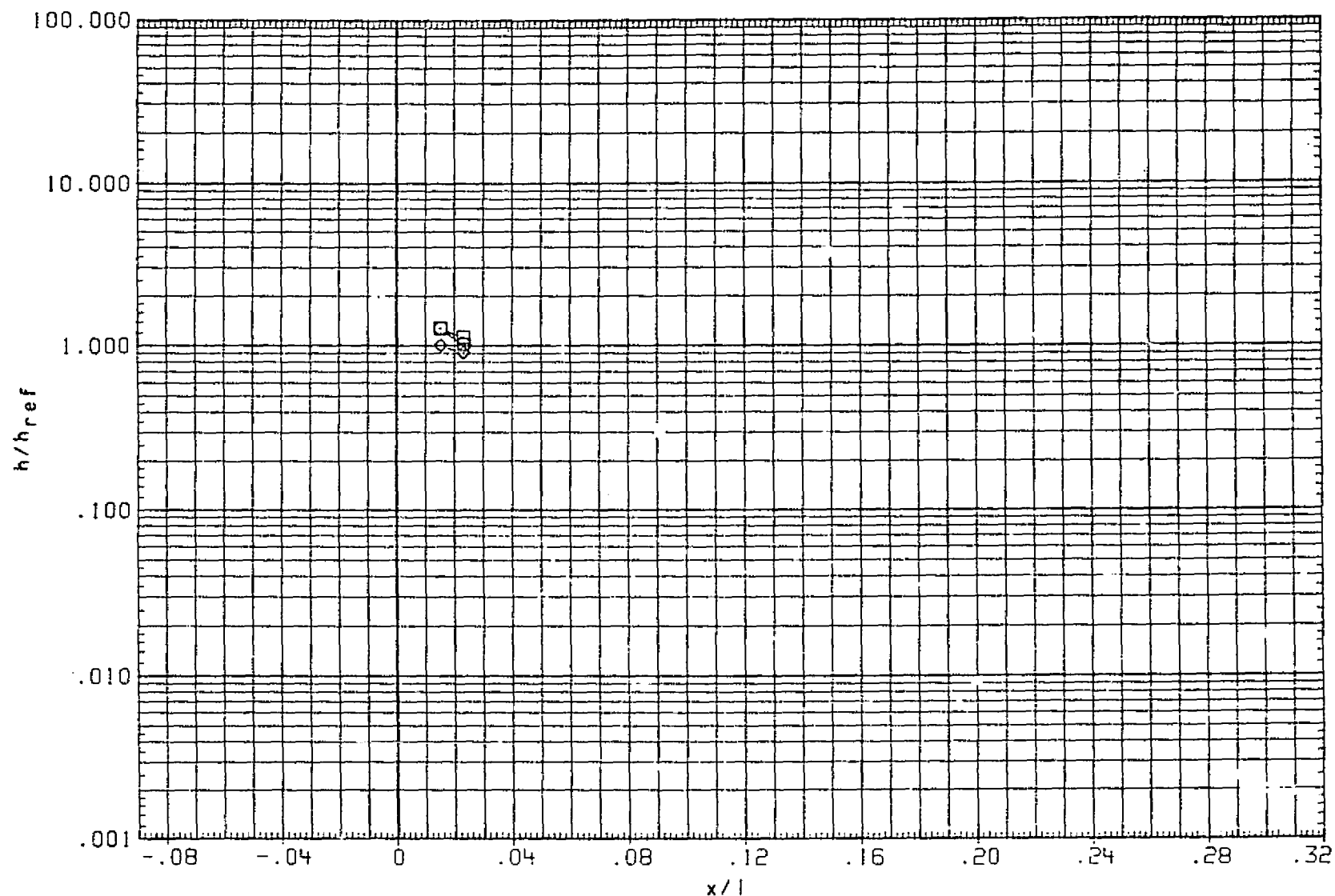


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1372

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

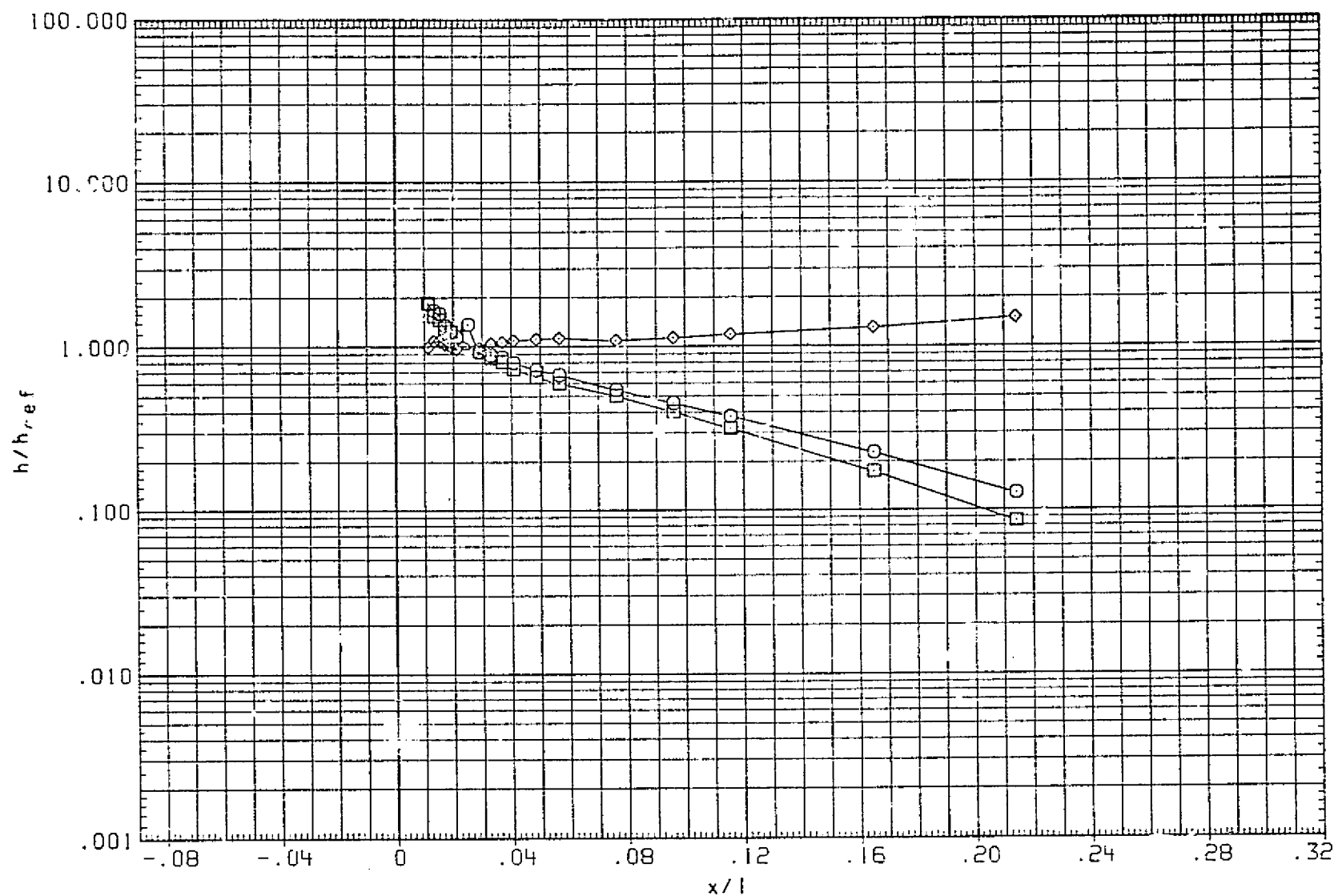


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

PAGE 1373



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

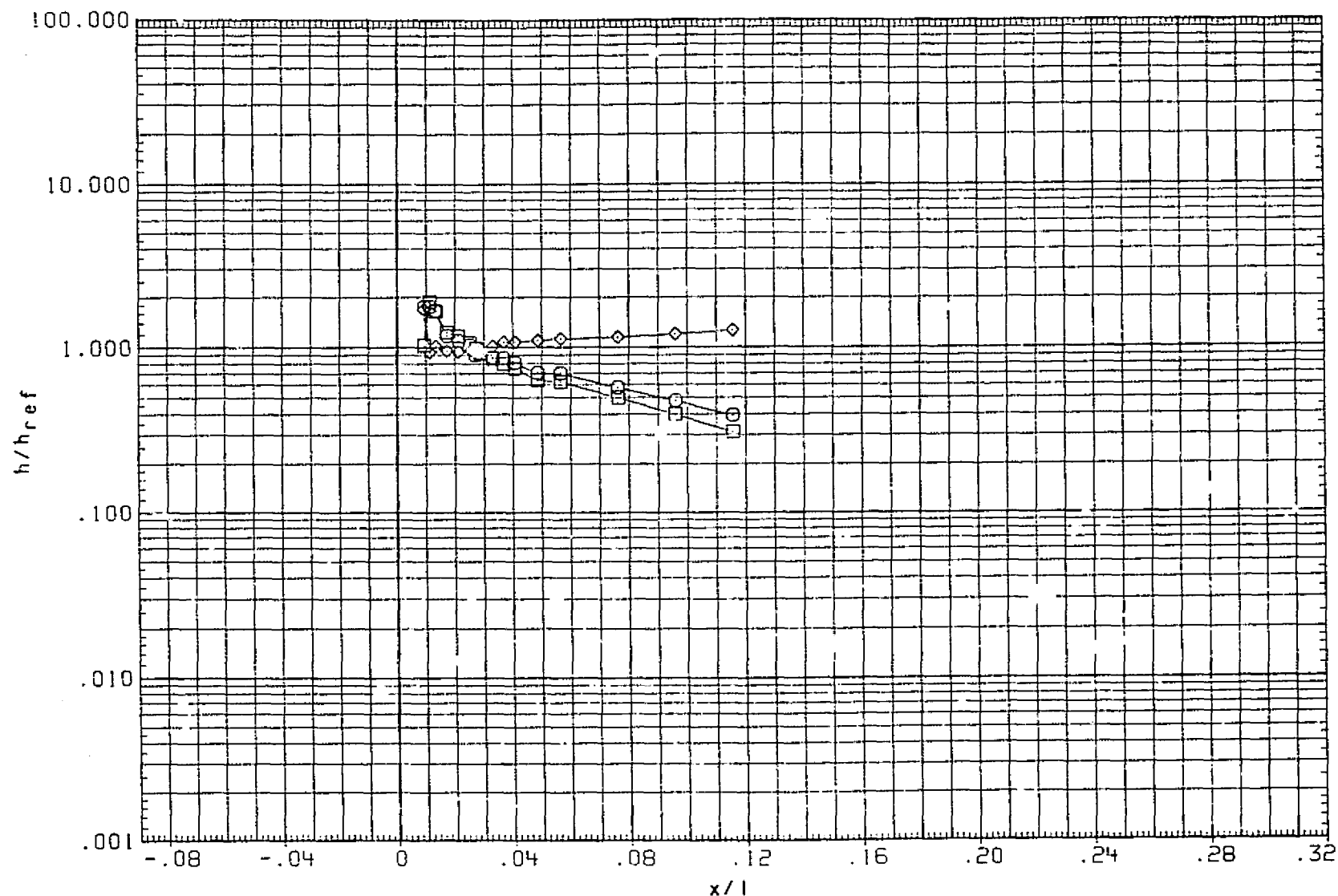


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

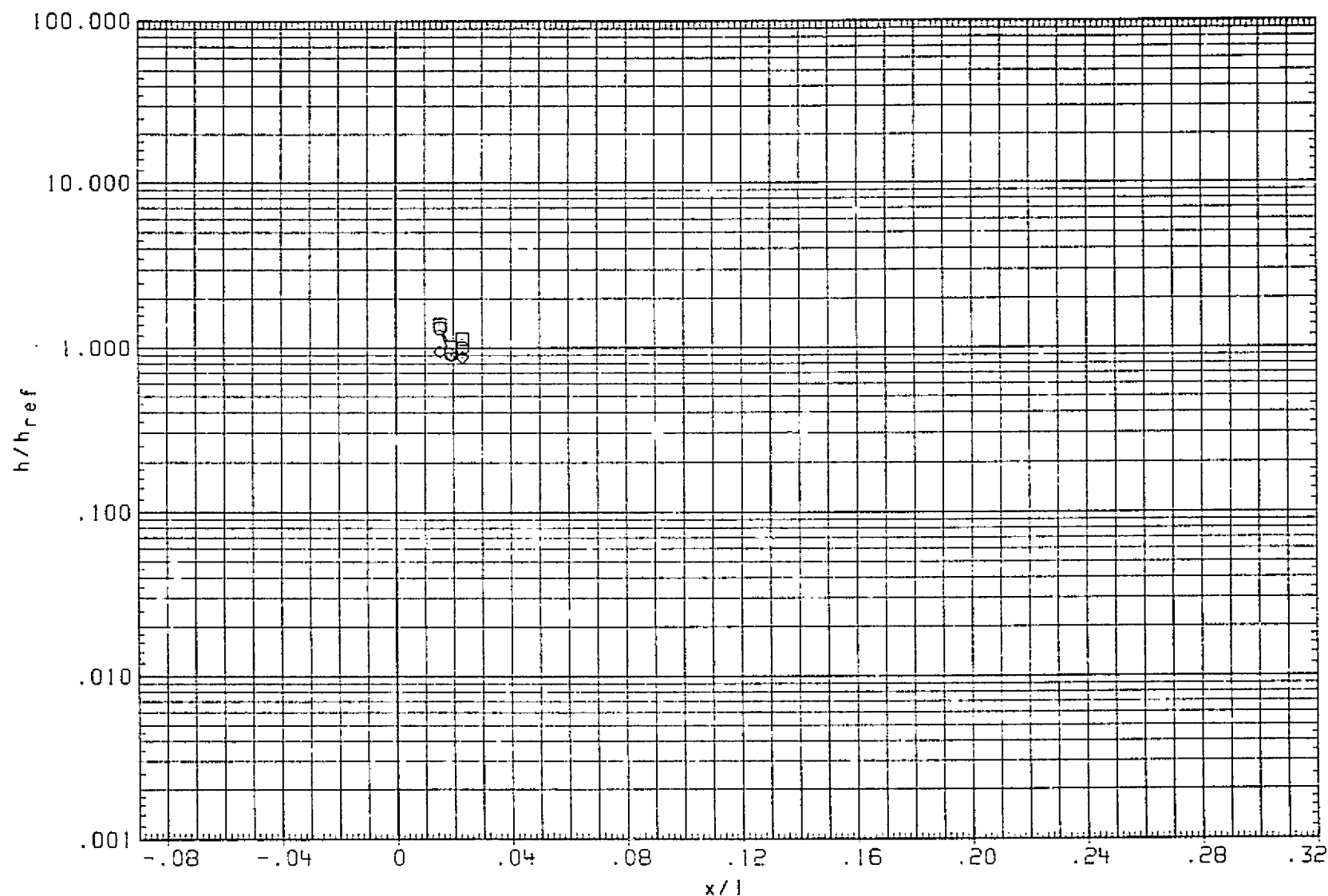


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 .BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

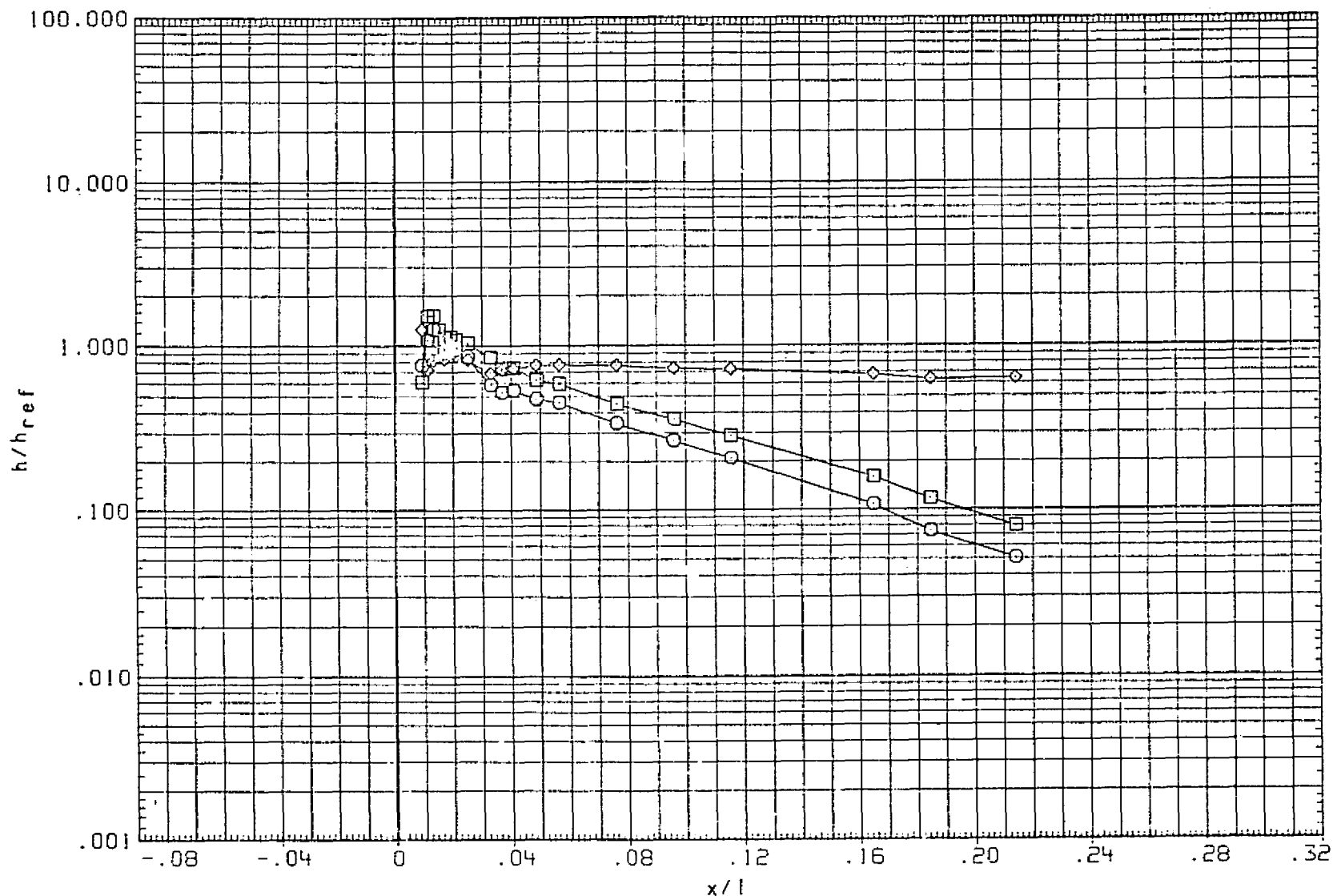


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

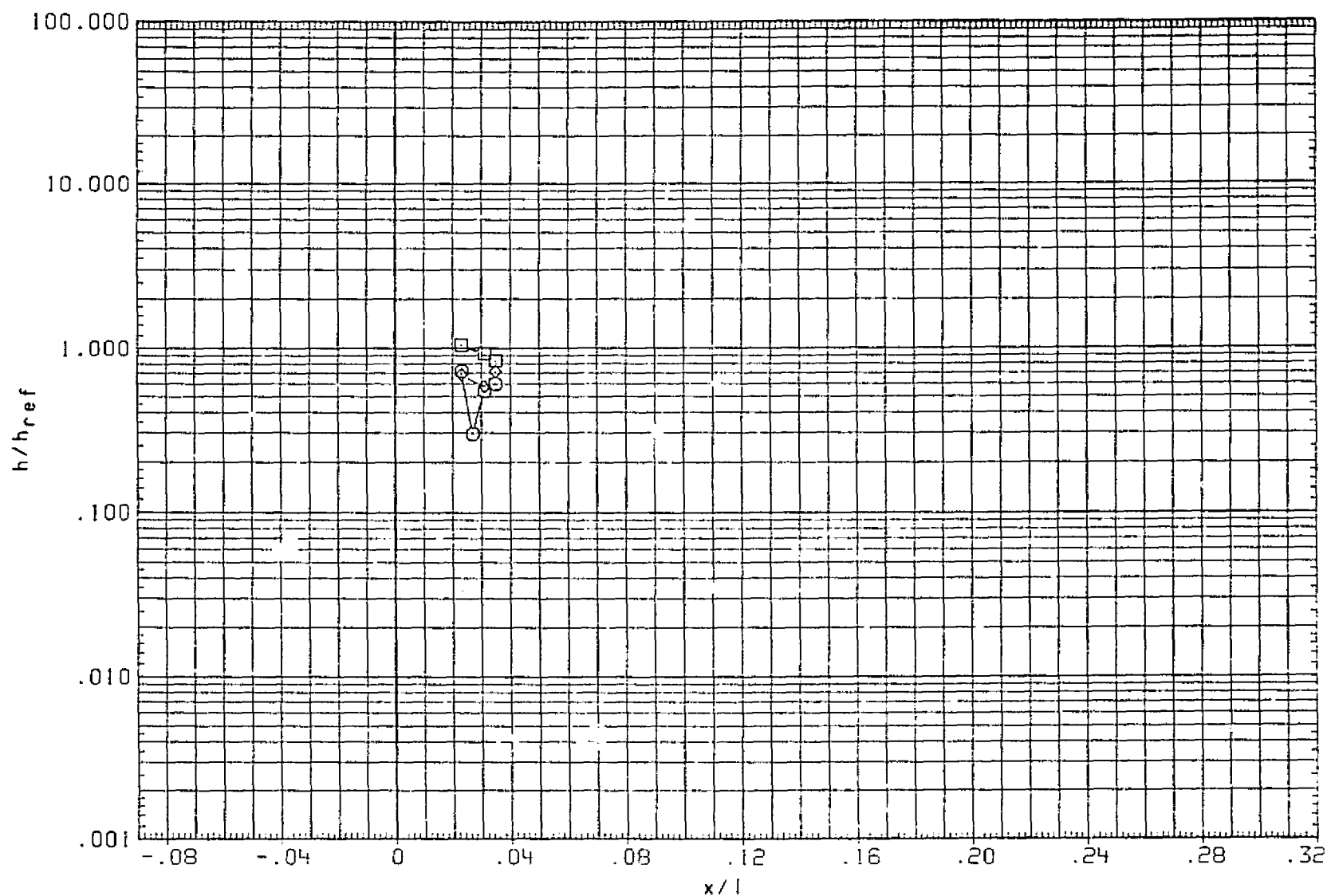


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)

ALPHA	BETA	RN/L
5.000	-6.000	5.000
.000	.000	5.000
		5.000

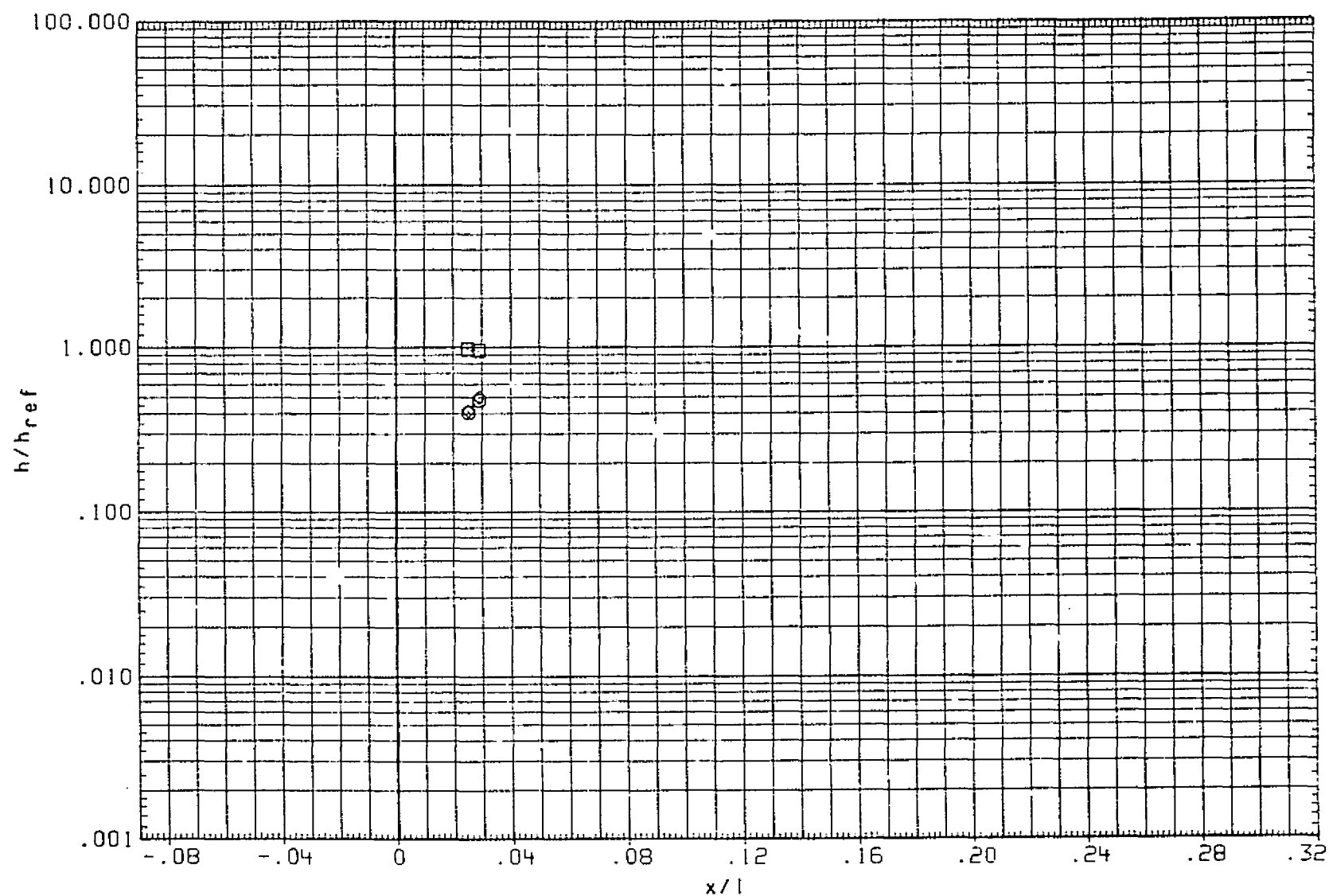


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	E.T.A	RN/L
(RNTT14)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

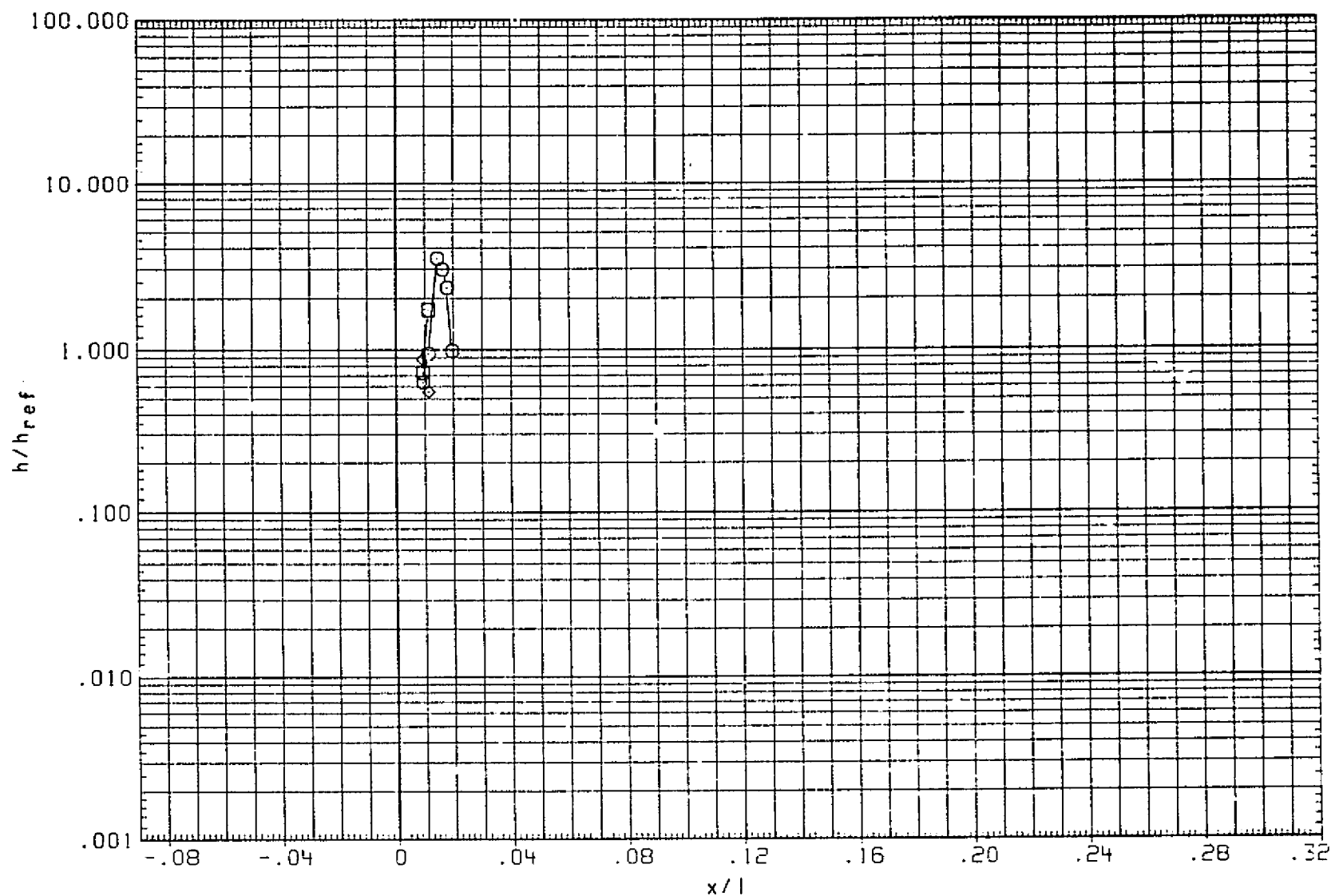


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HI (RNTT14/RNTT20)			5.000

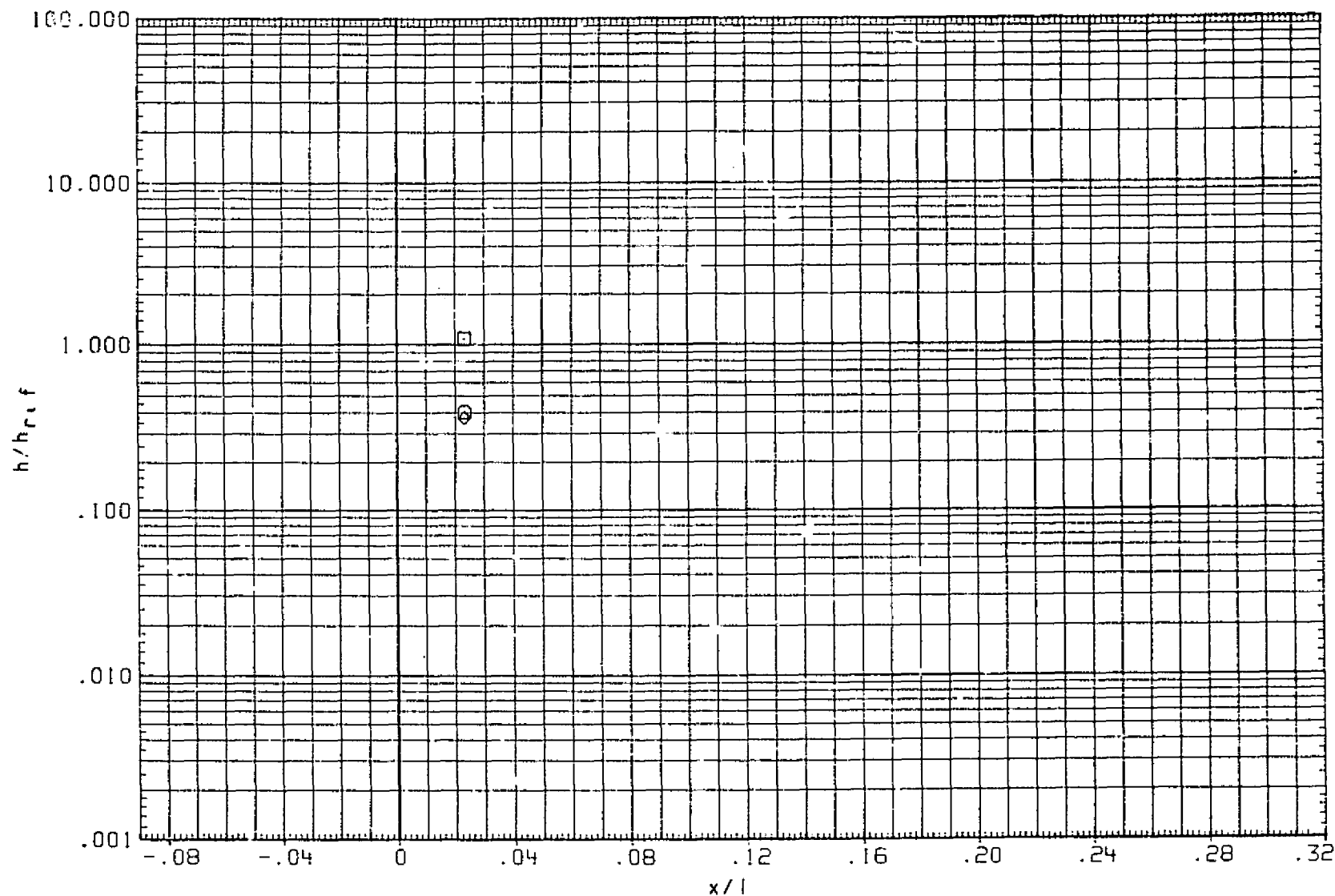


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

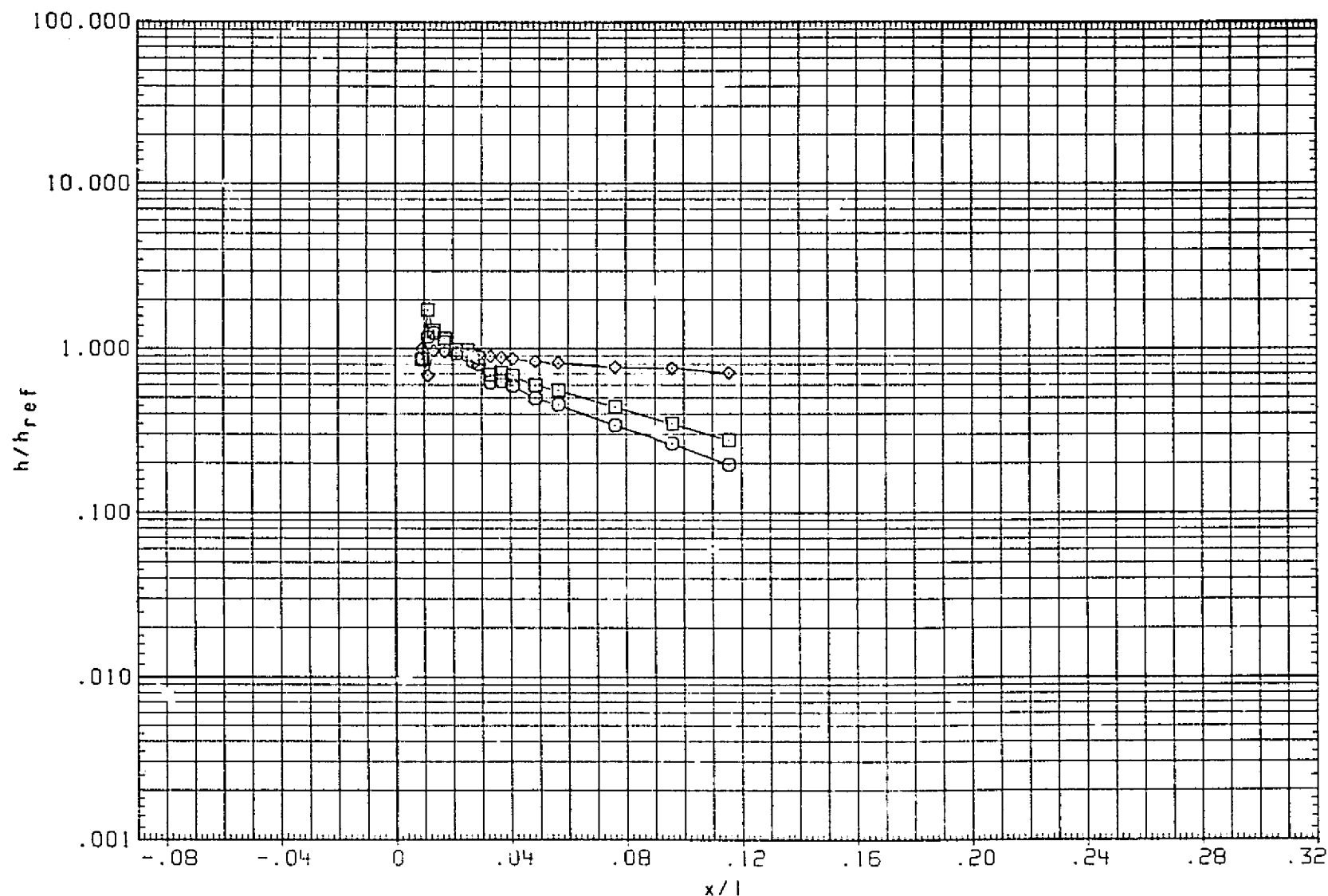


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-2(5(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-2(5(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-2(5(FH14) HI/HU (RNTT14/RNTT20)			5.000

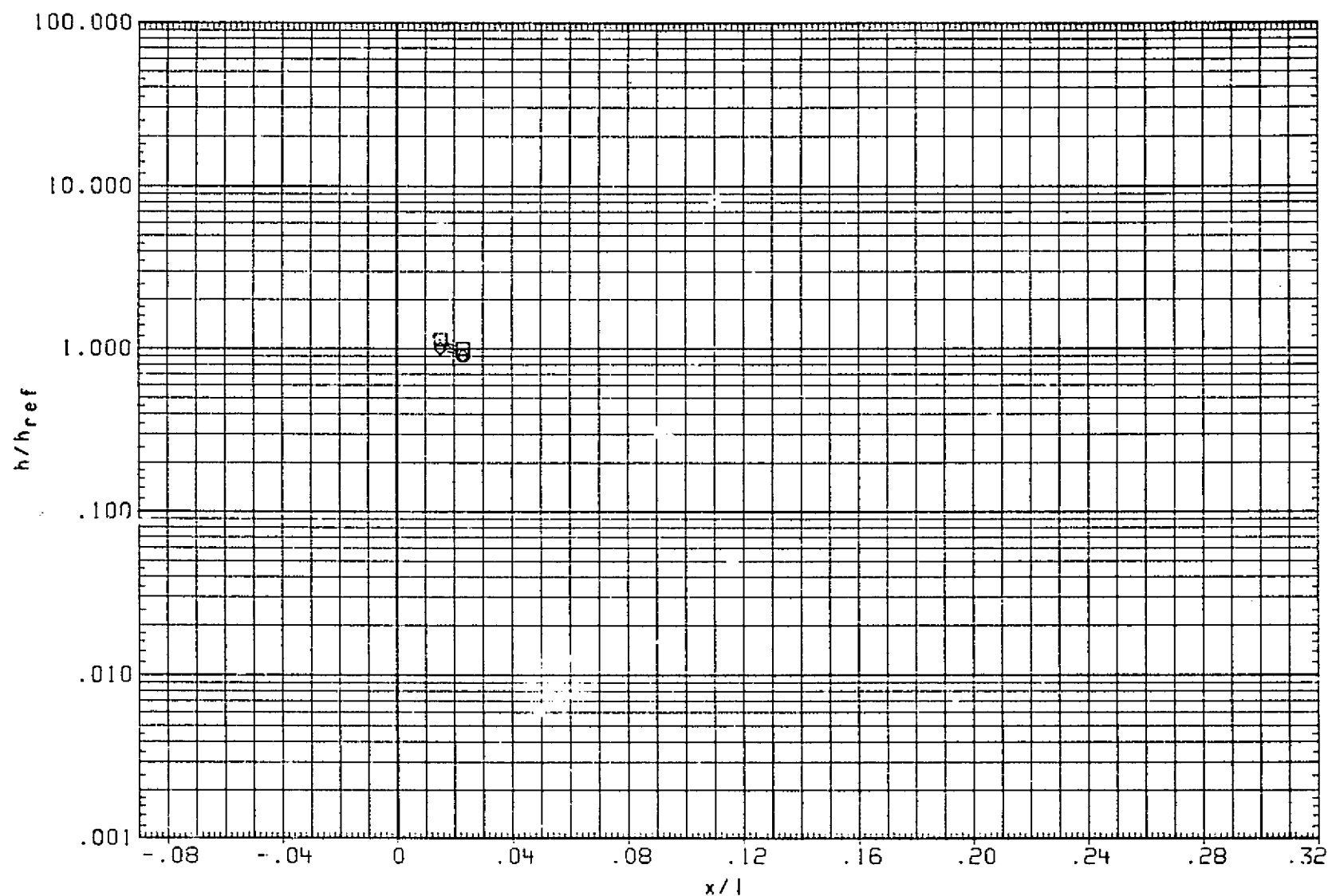


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1382

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

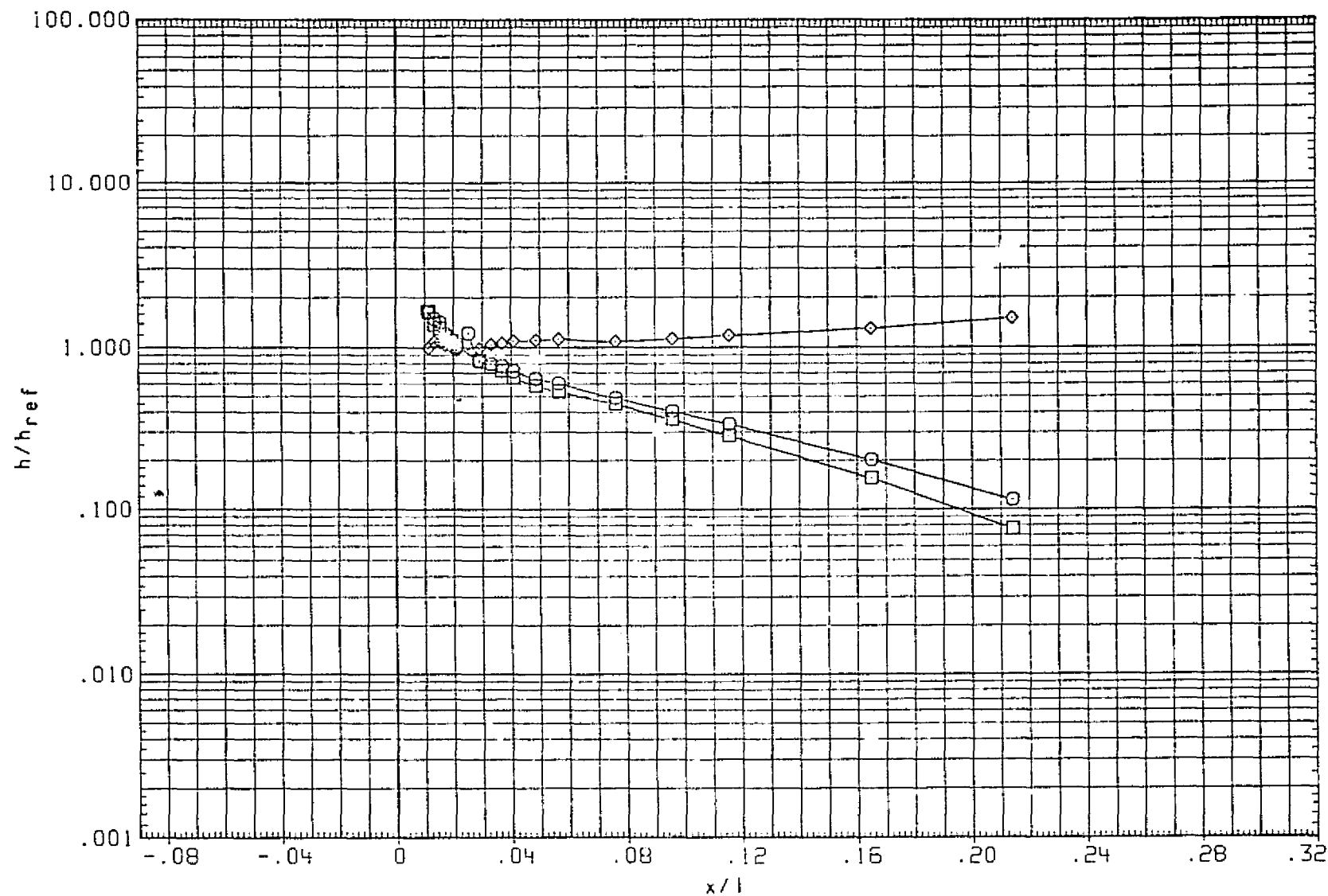


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

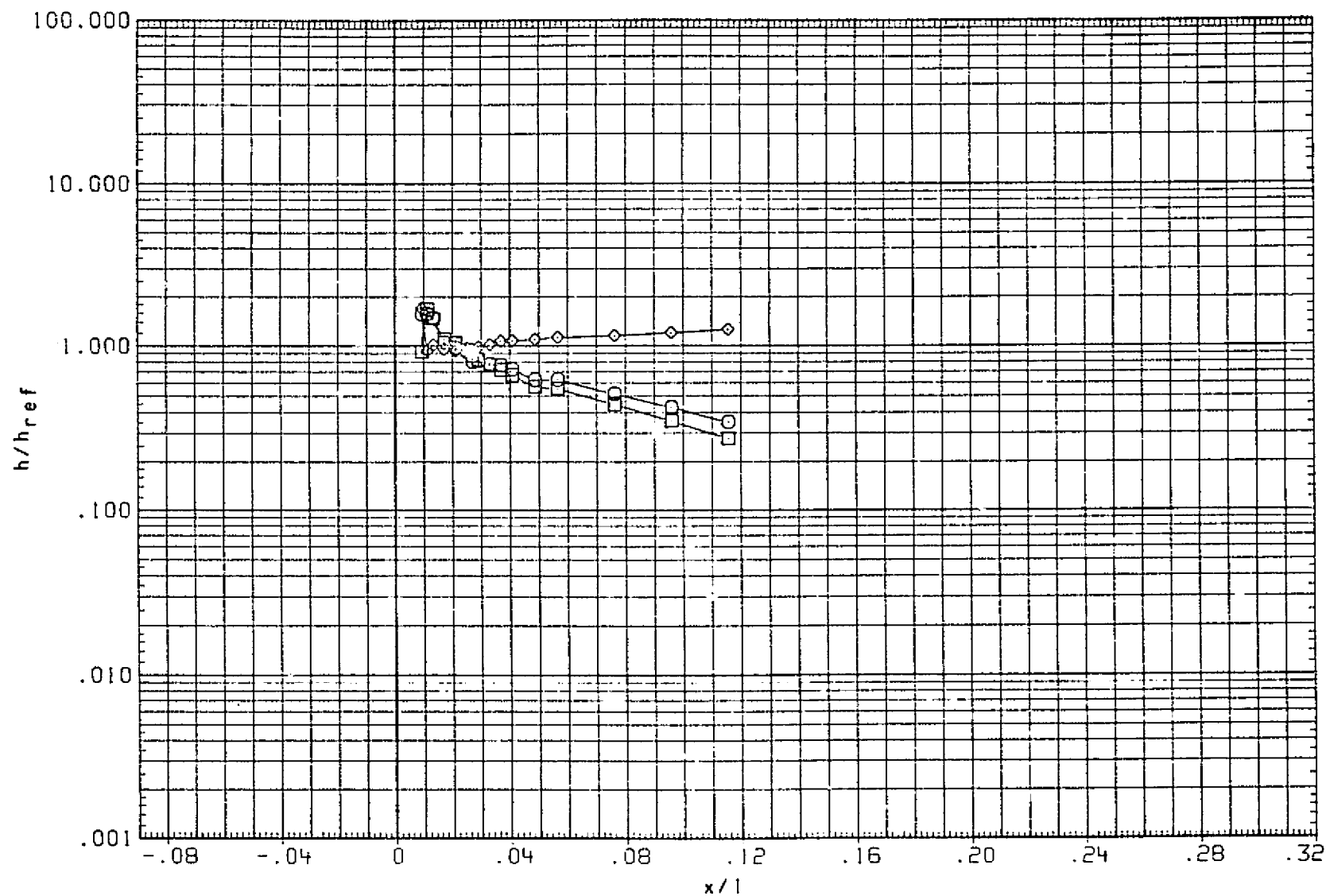


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/R-177)			5.000

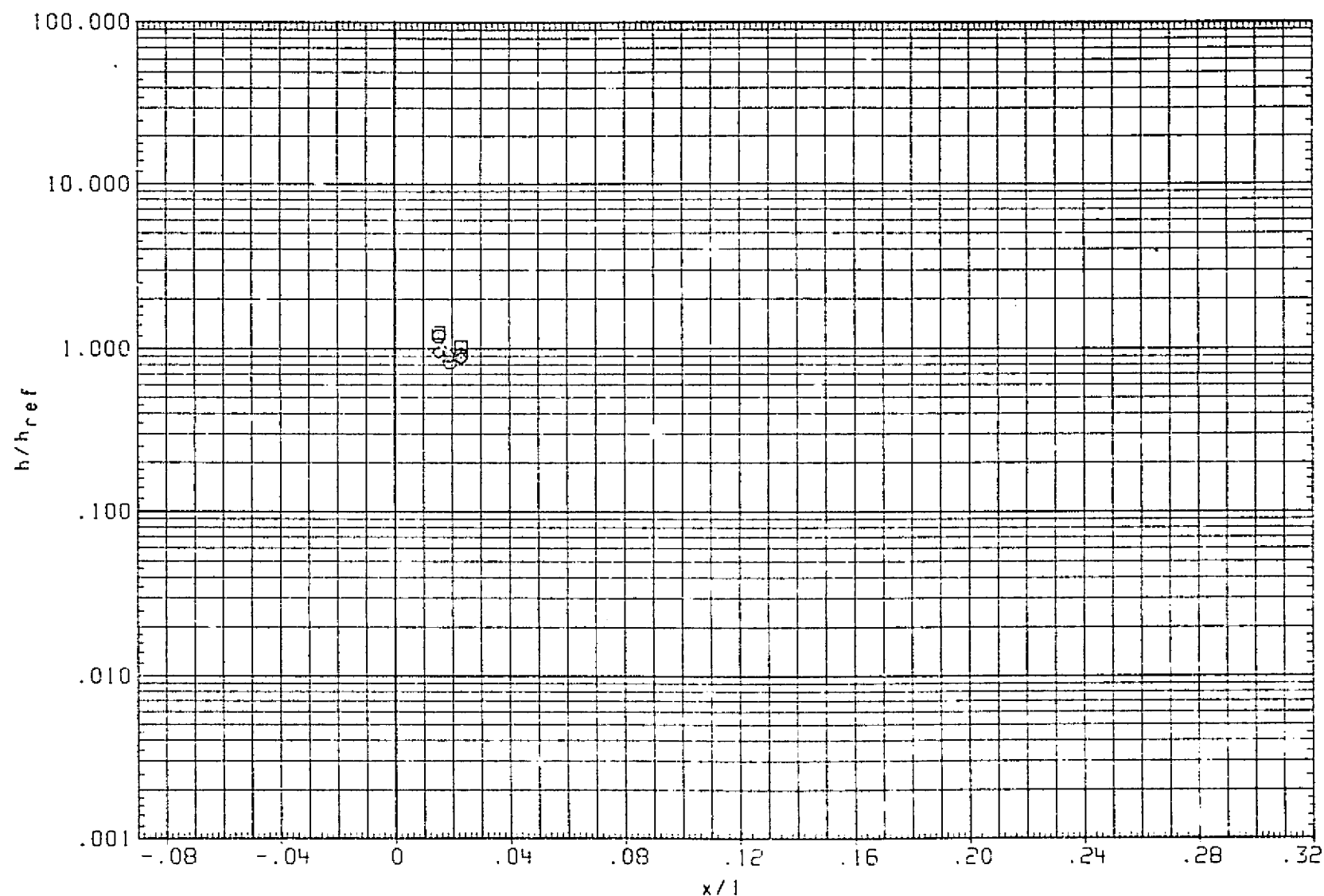


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

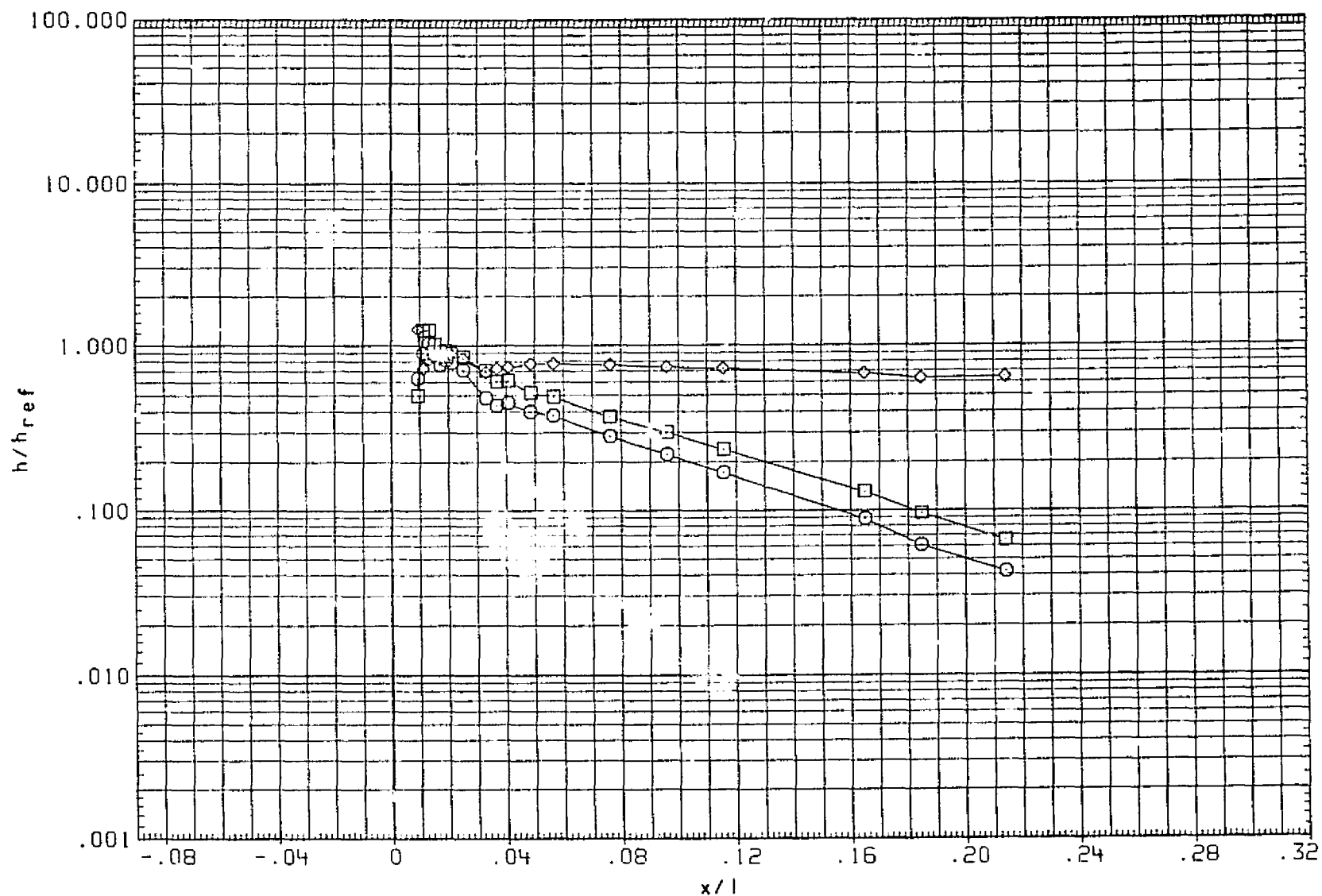


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

2.7

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

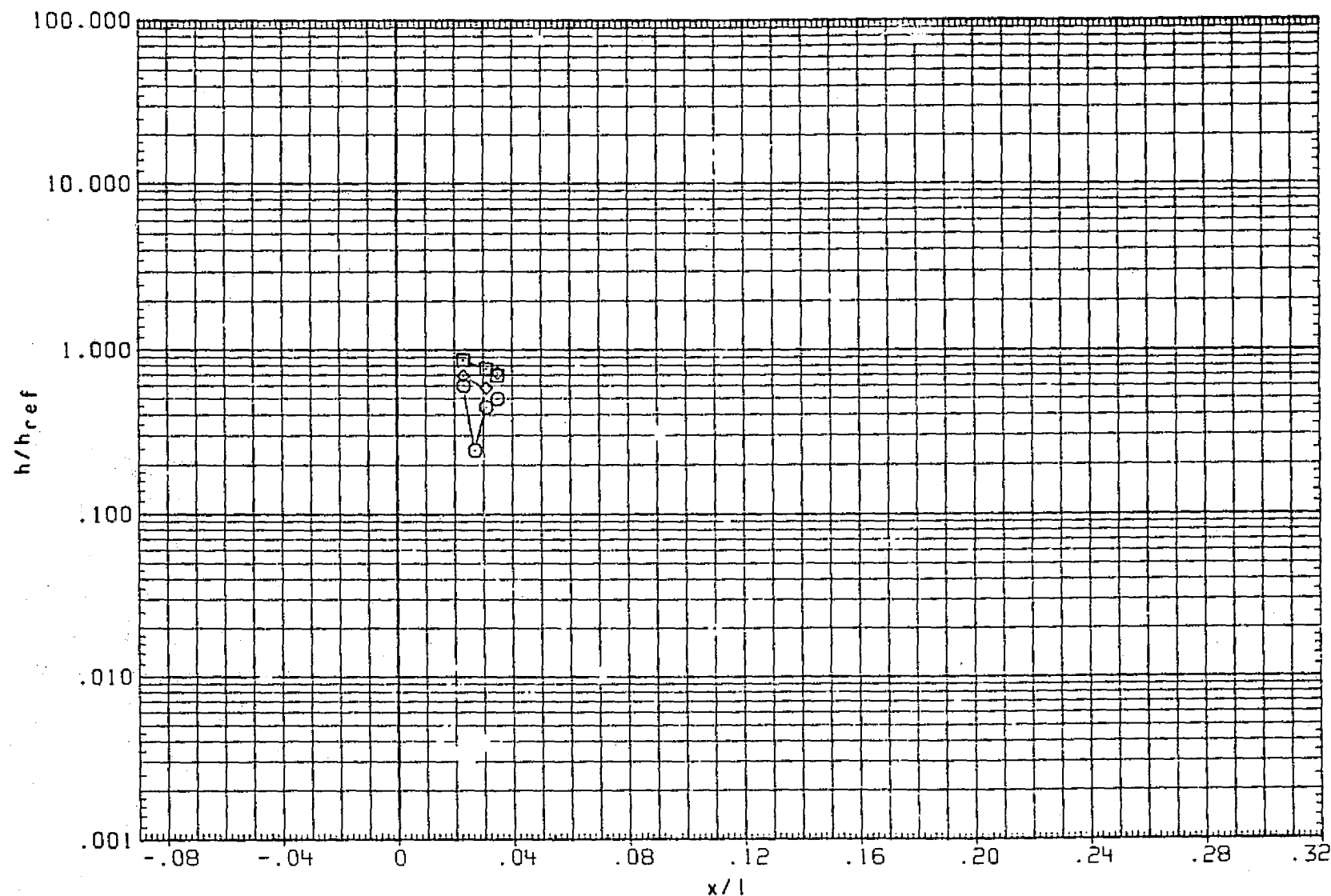


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

P. E 1387

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

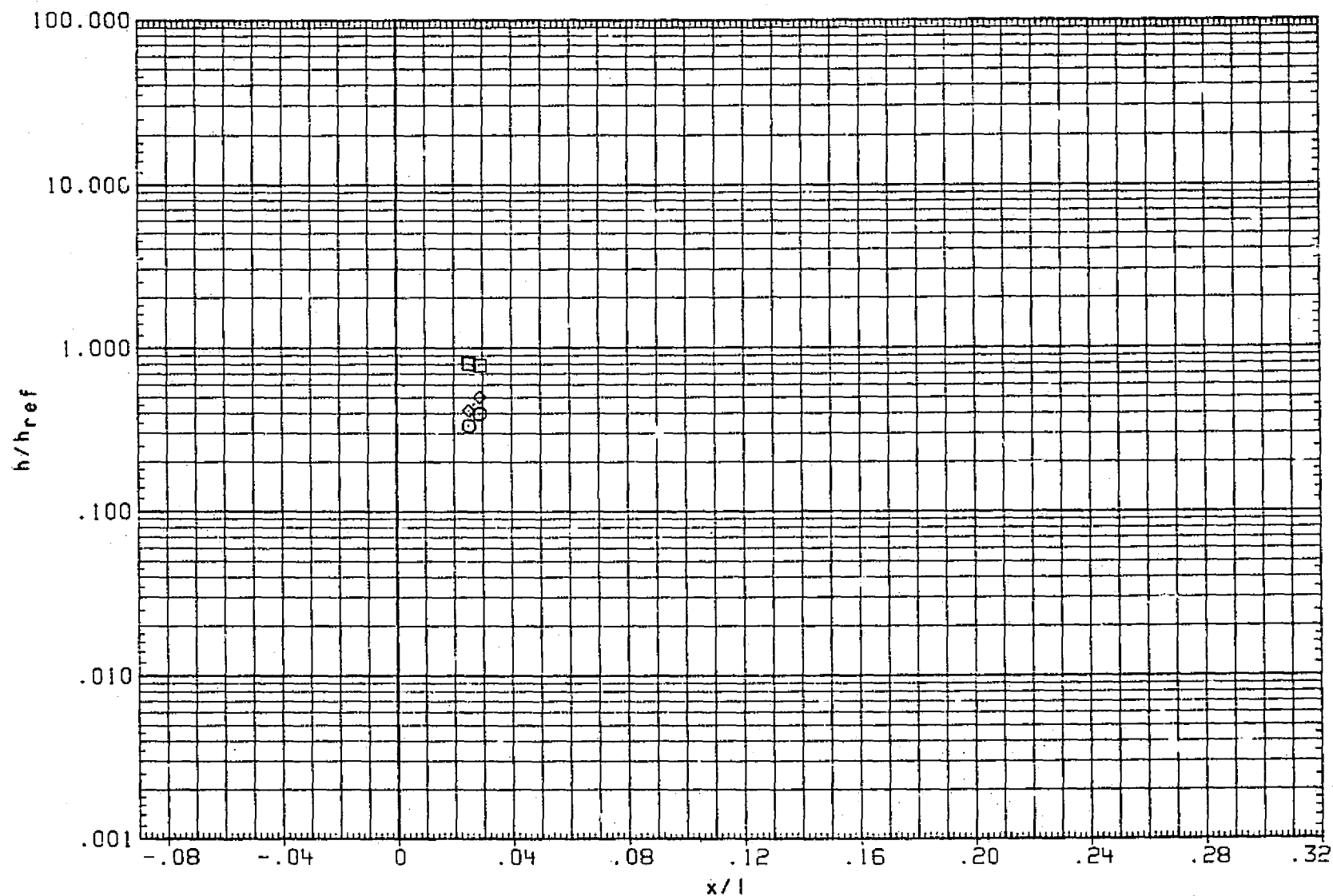


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

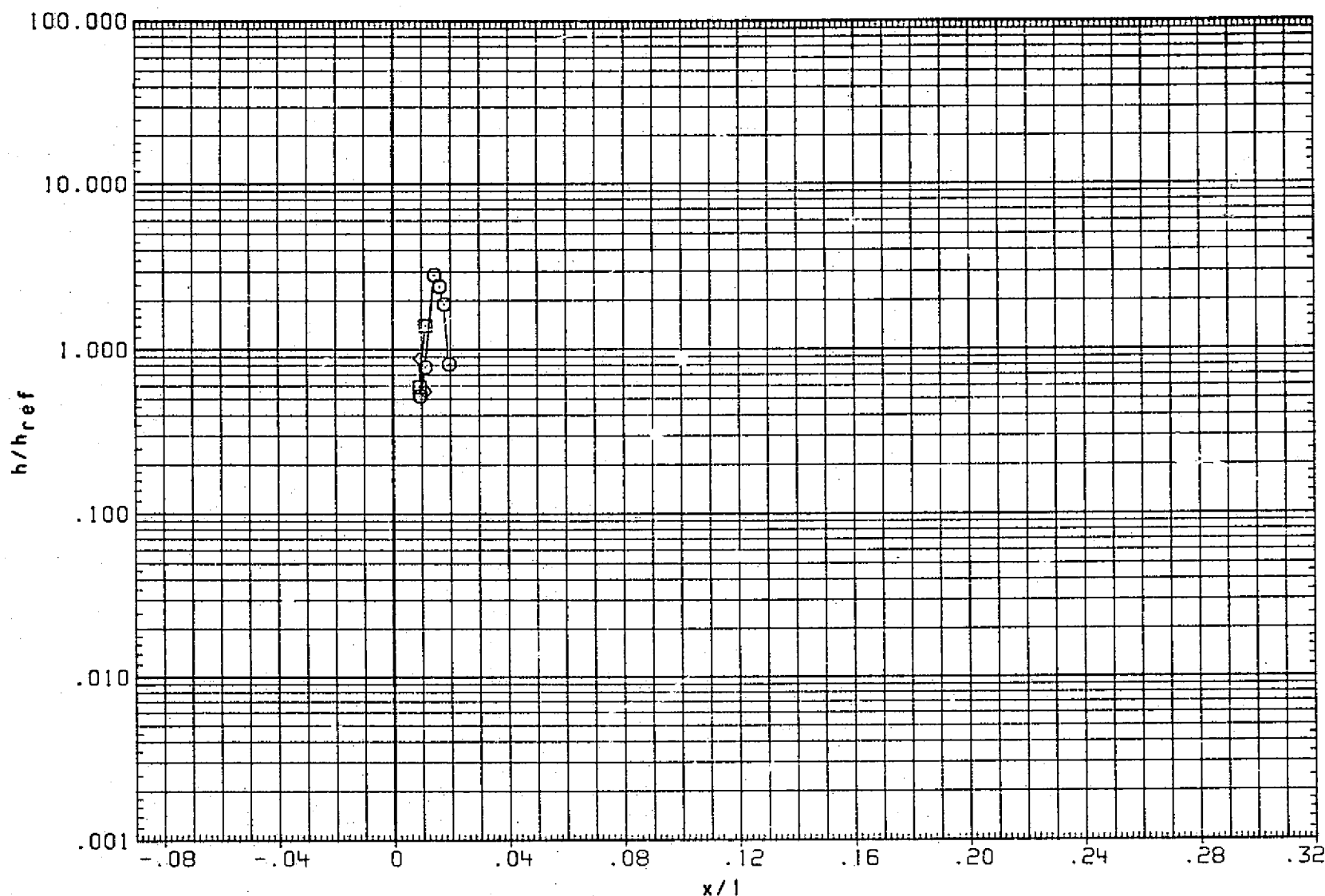


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

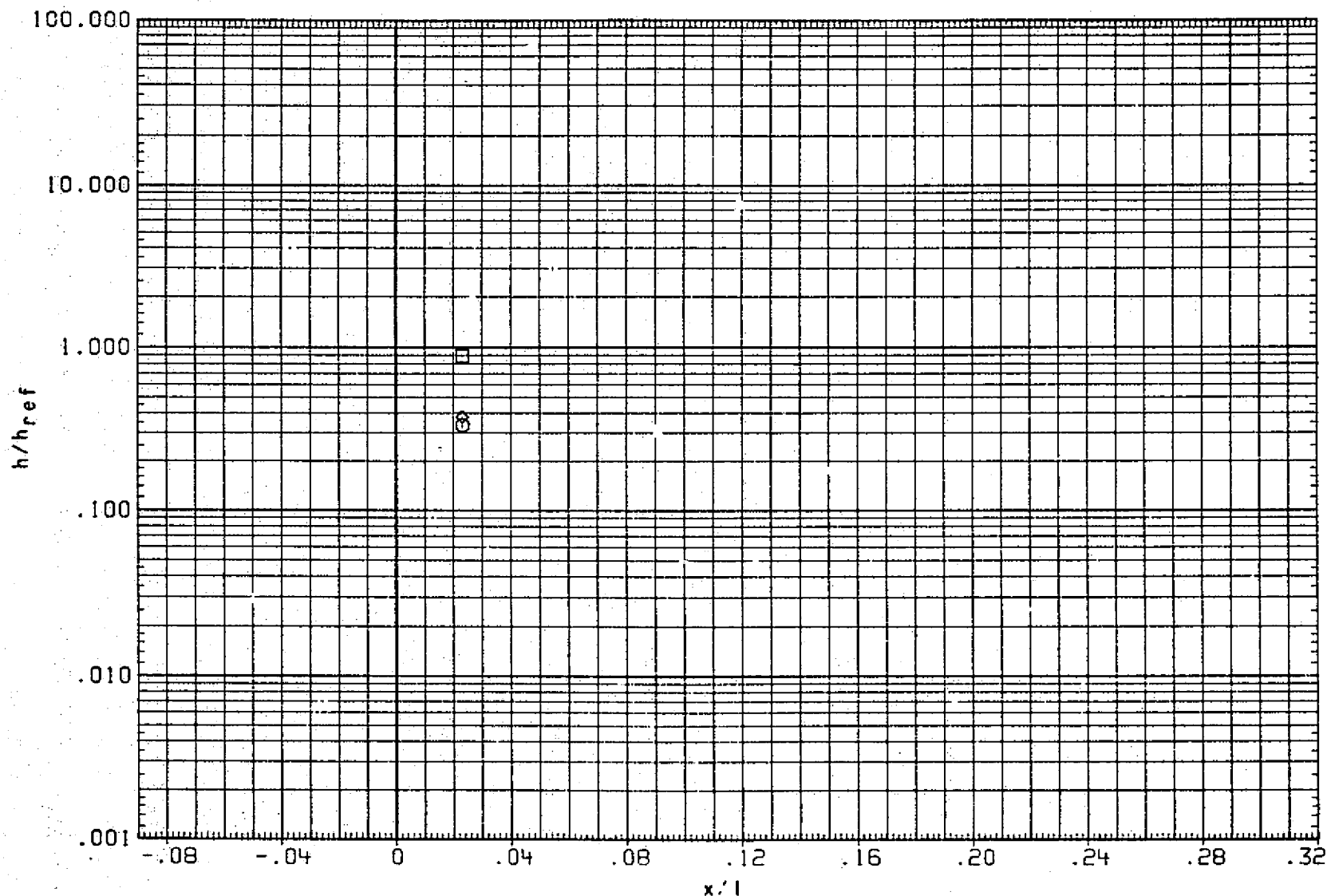


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

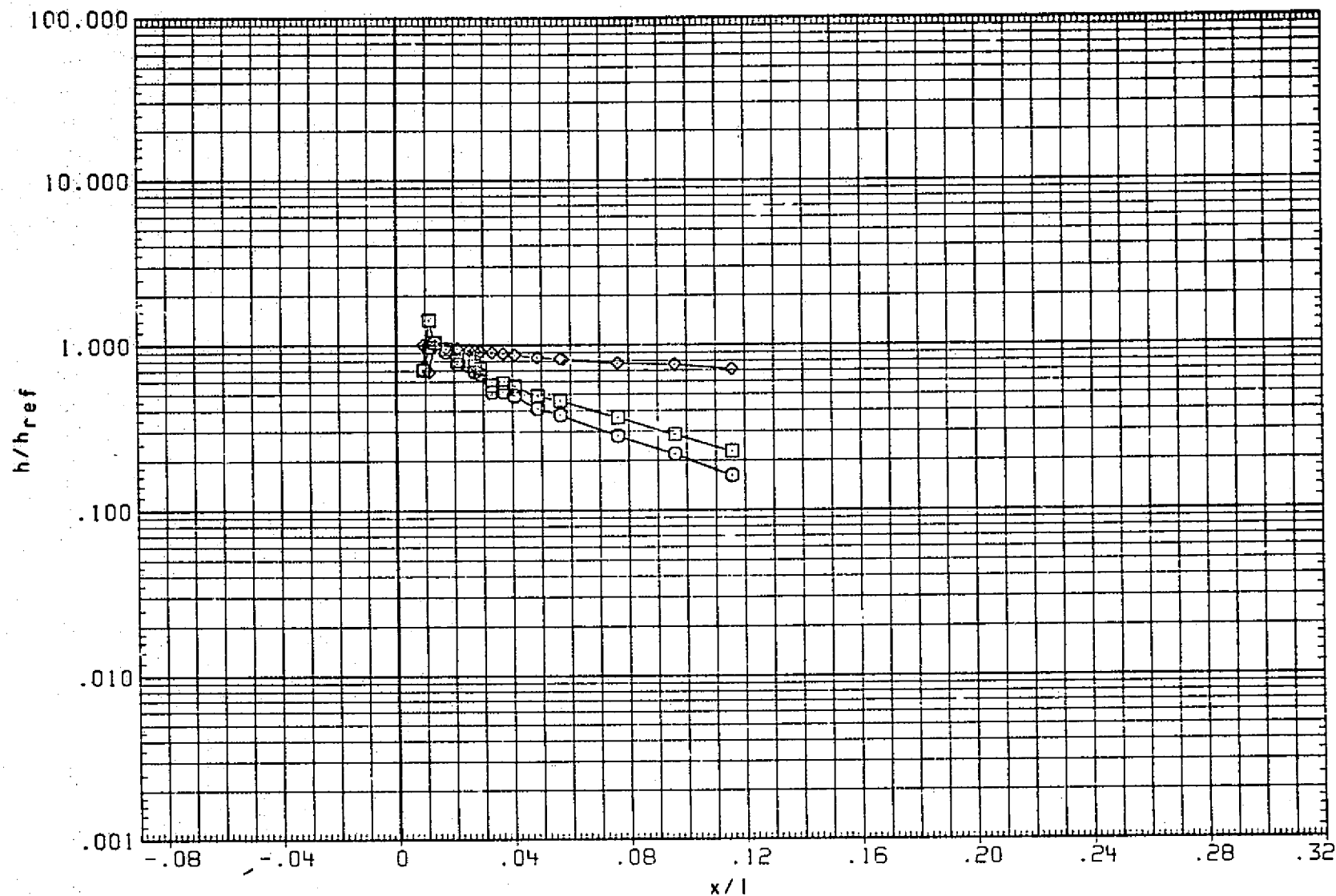


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

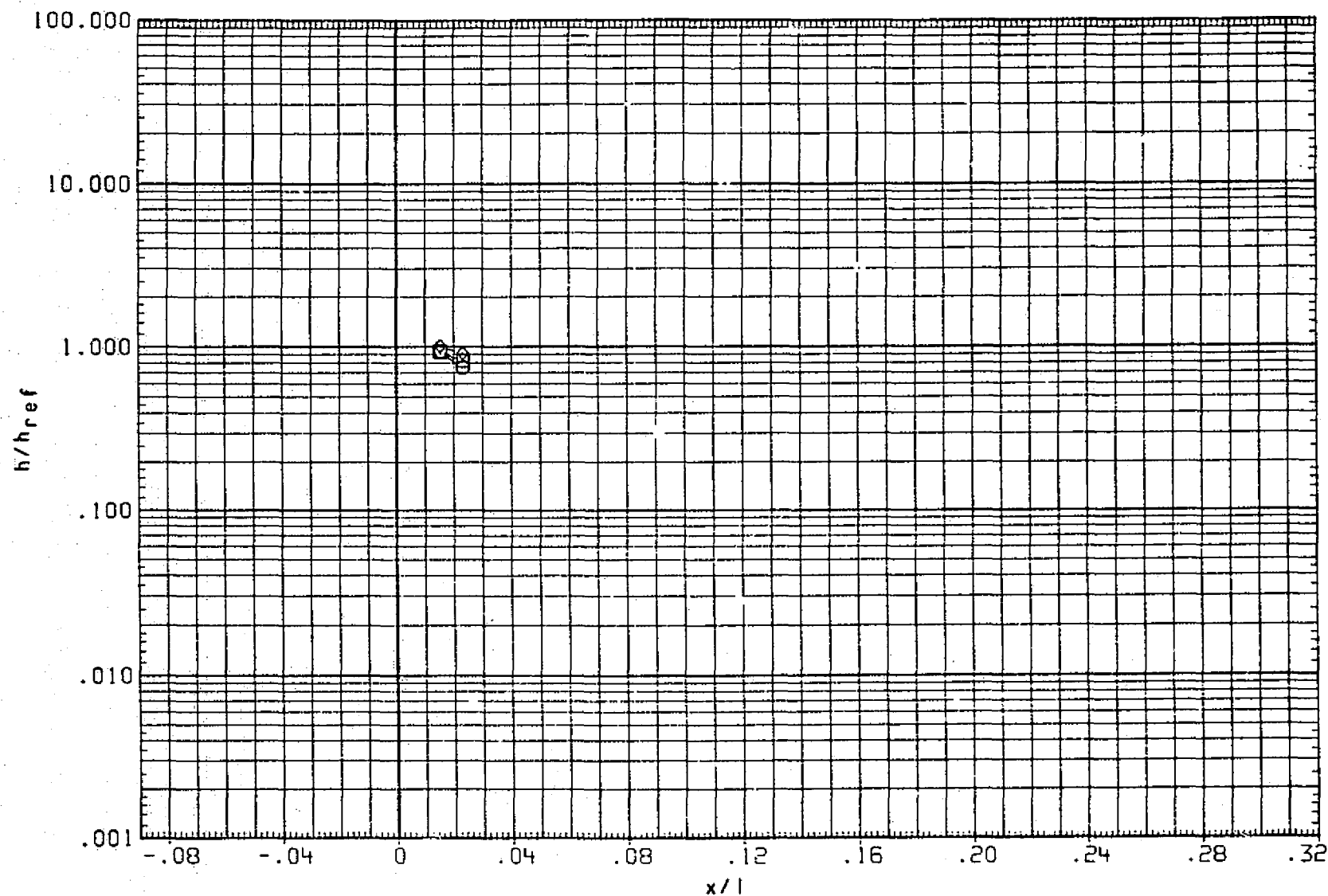


FIG. 15 TANK FOREBODY H1/HU ( $\alpha=0$ ,  $\beta=0$  FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.0°

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

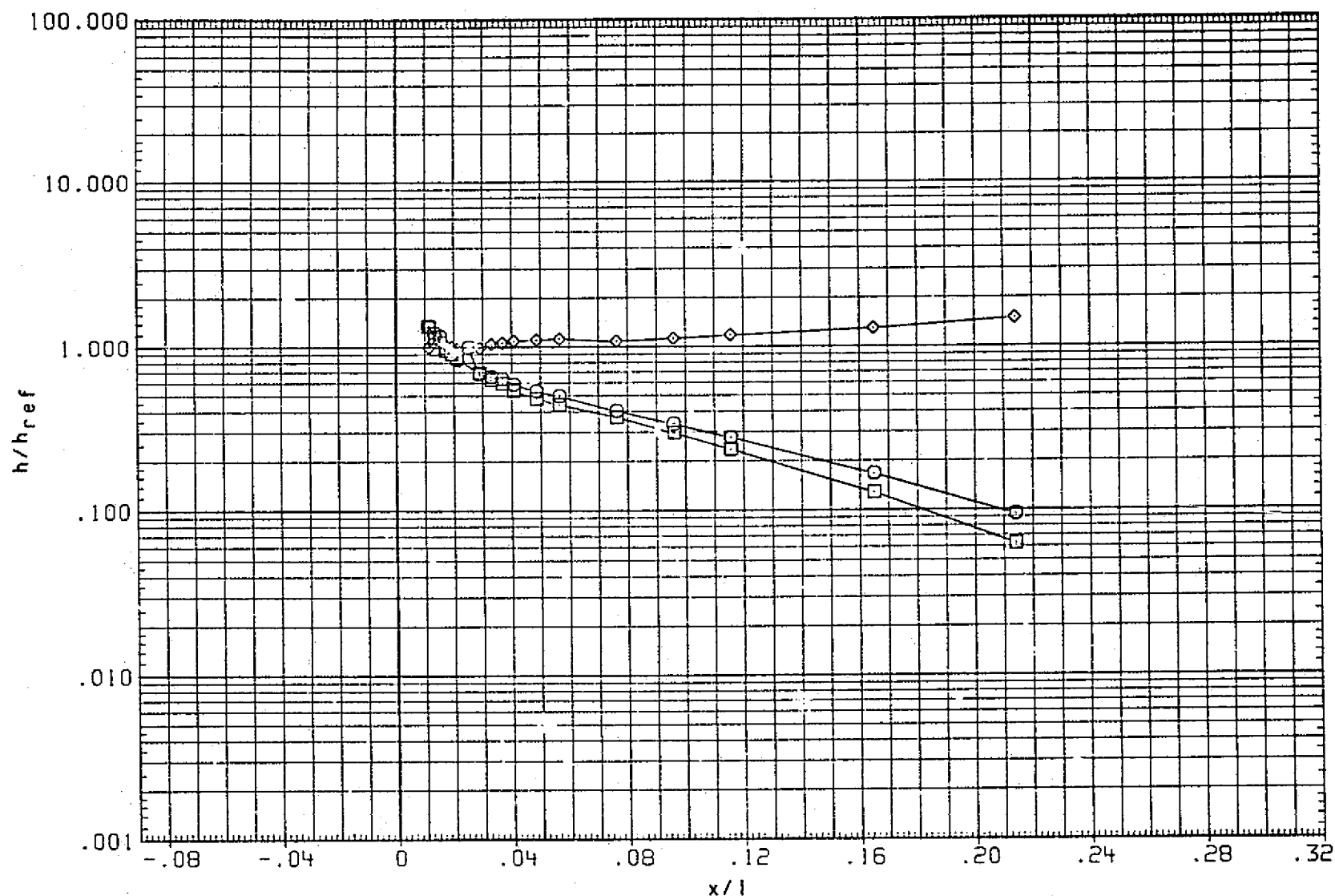


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) HI/HU (RNTT14/RNTT20)			5.000

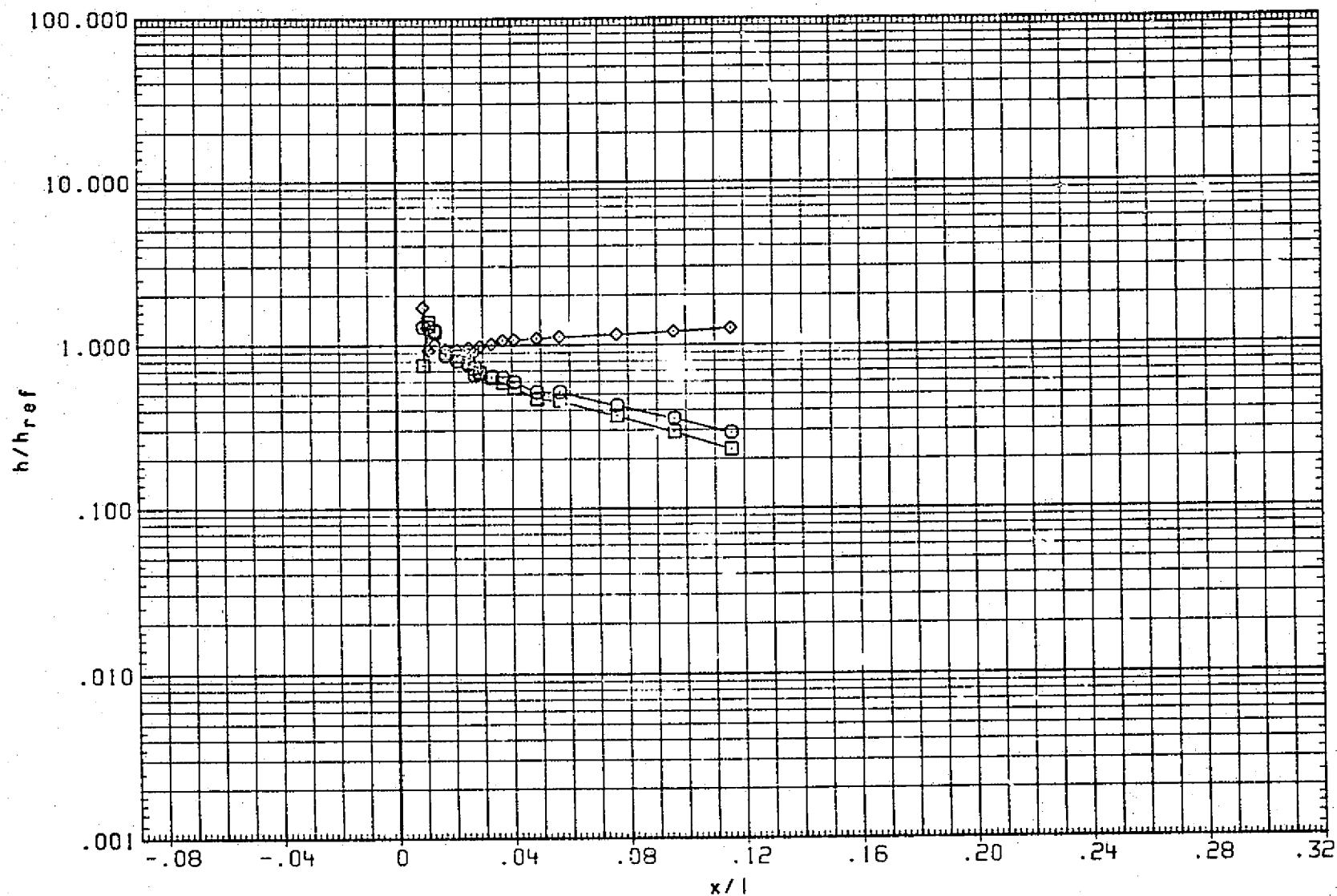


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT14)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	5.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT14)	◇	ARC3.5-215(FH14) H1/HU (RNTT14/RNTT20)			5.000

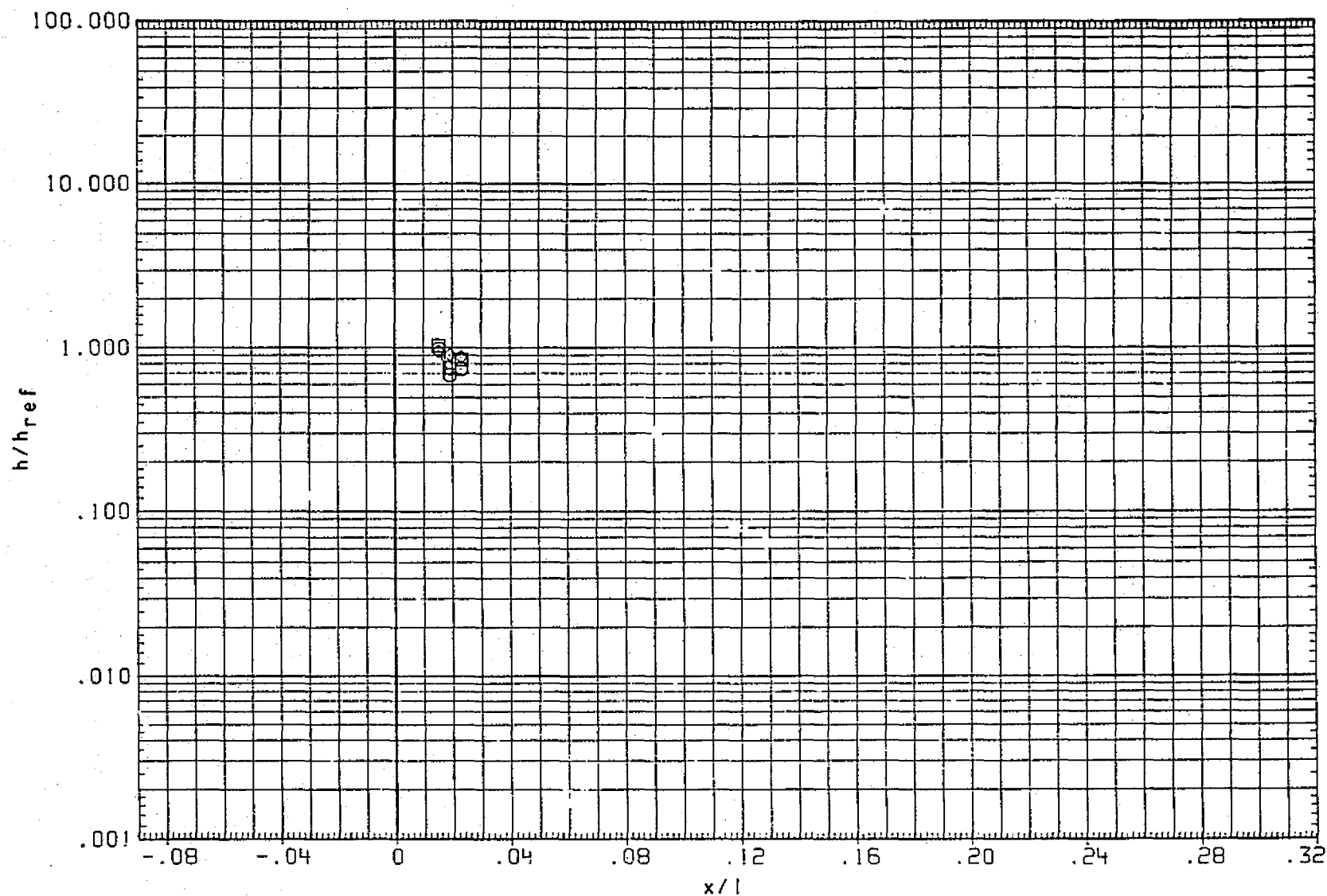


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

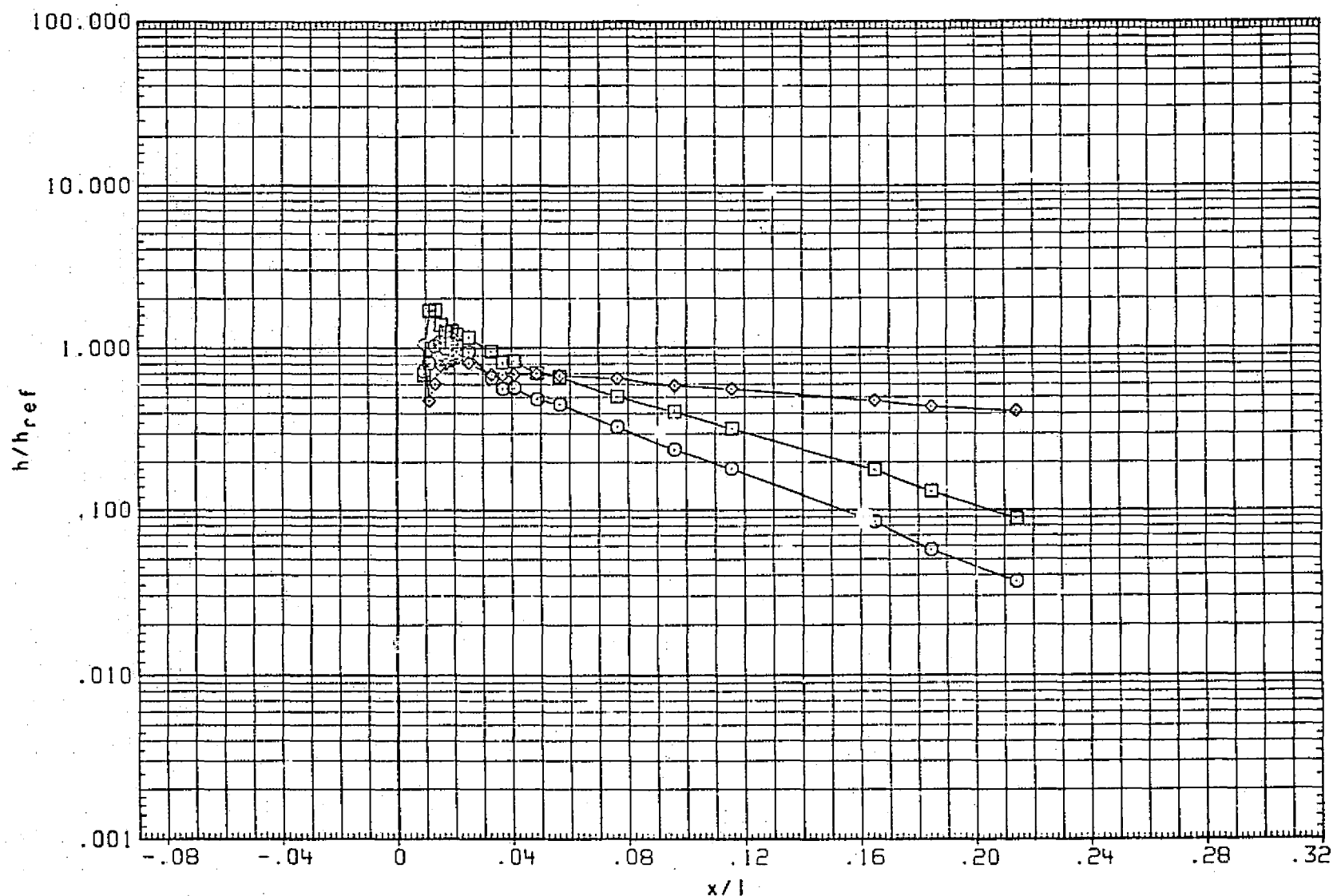


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
RNTT151	○	ARC3.5-215(FH14)10/40 CONE/OGIVE E1 NOSE+PROTUB	10.000	-6.000	5.000
RNTT201	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
RNTT151	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

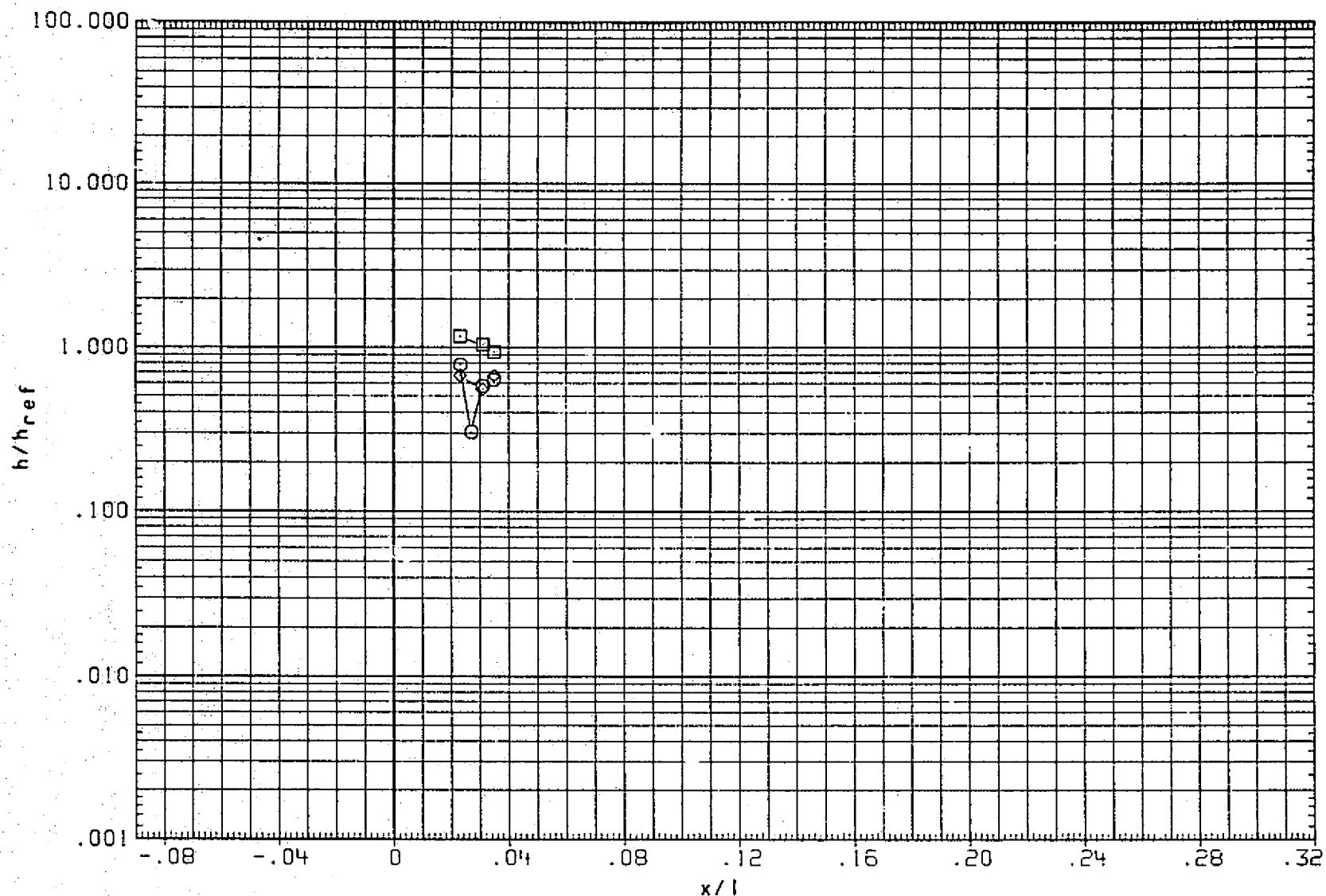


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 10.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

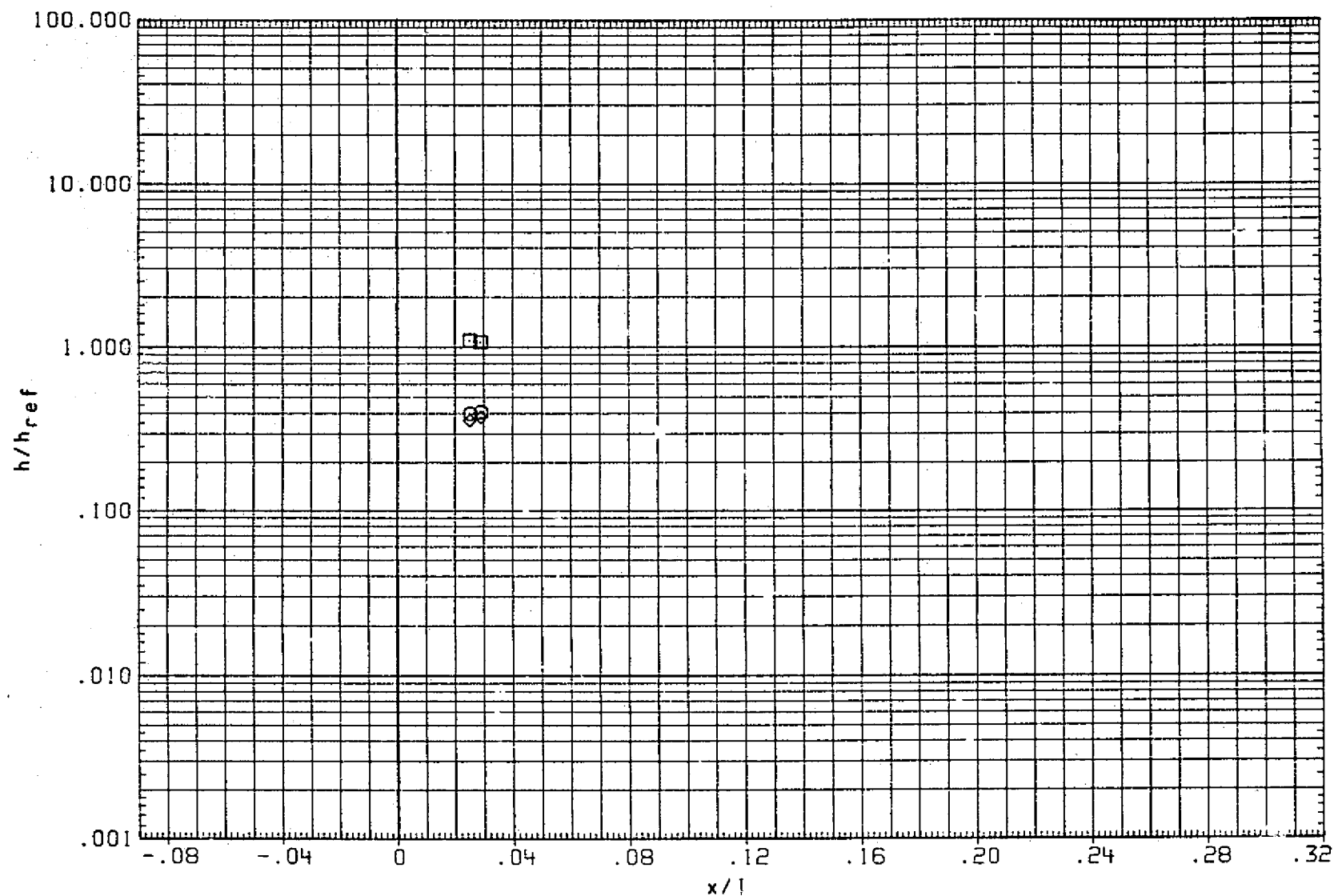


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1398

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)

ALPHA	BETA	RN/L
10.000	-6.000	5.000
.000	.000	5.000
		5.000

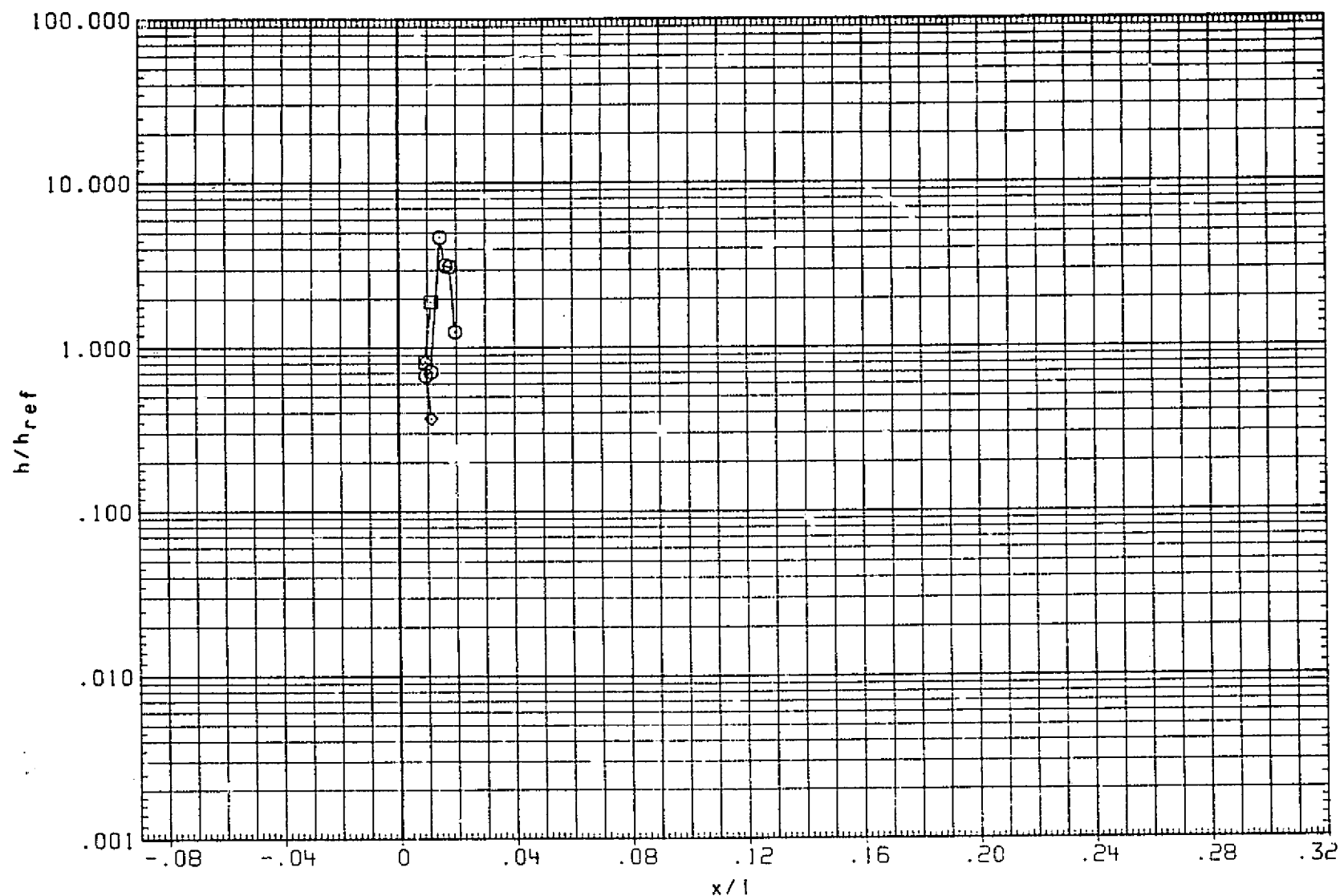


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 1.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

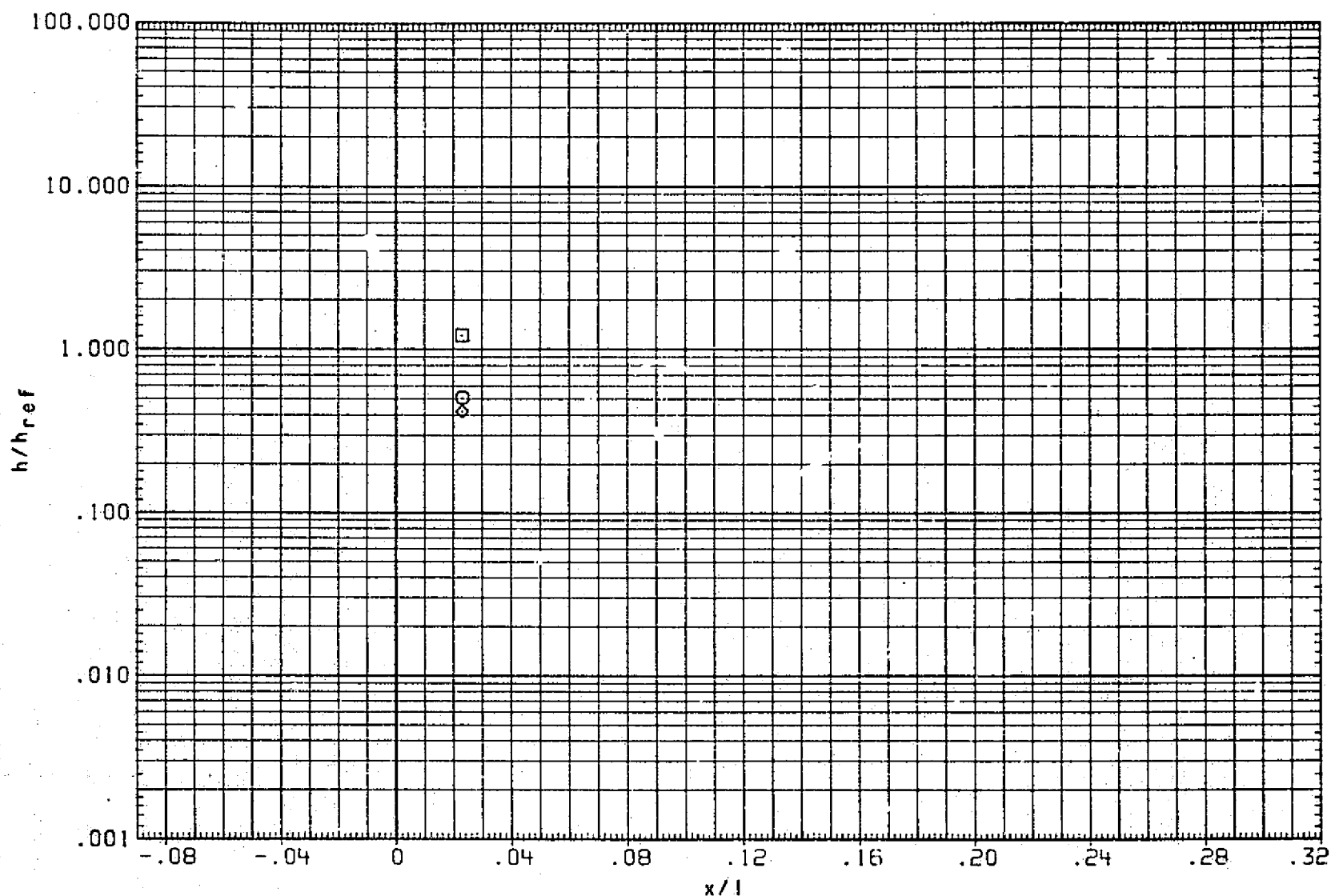


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+FLUTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

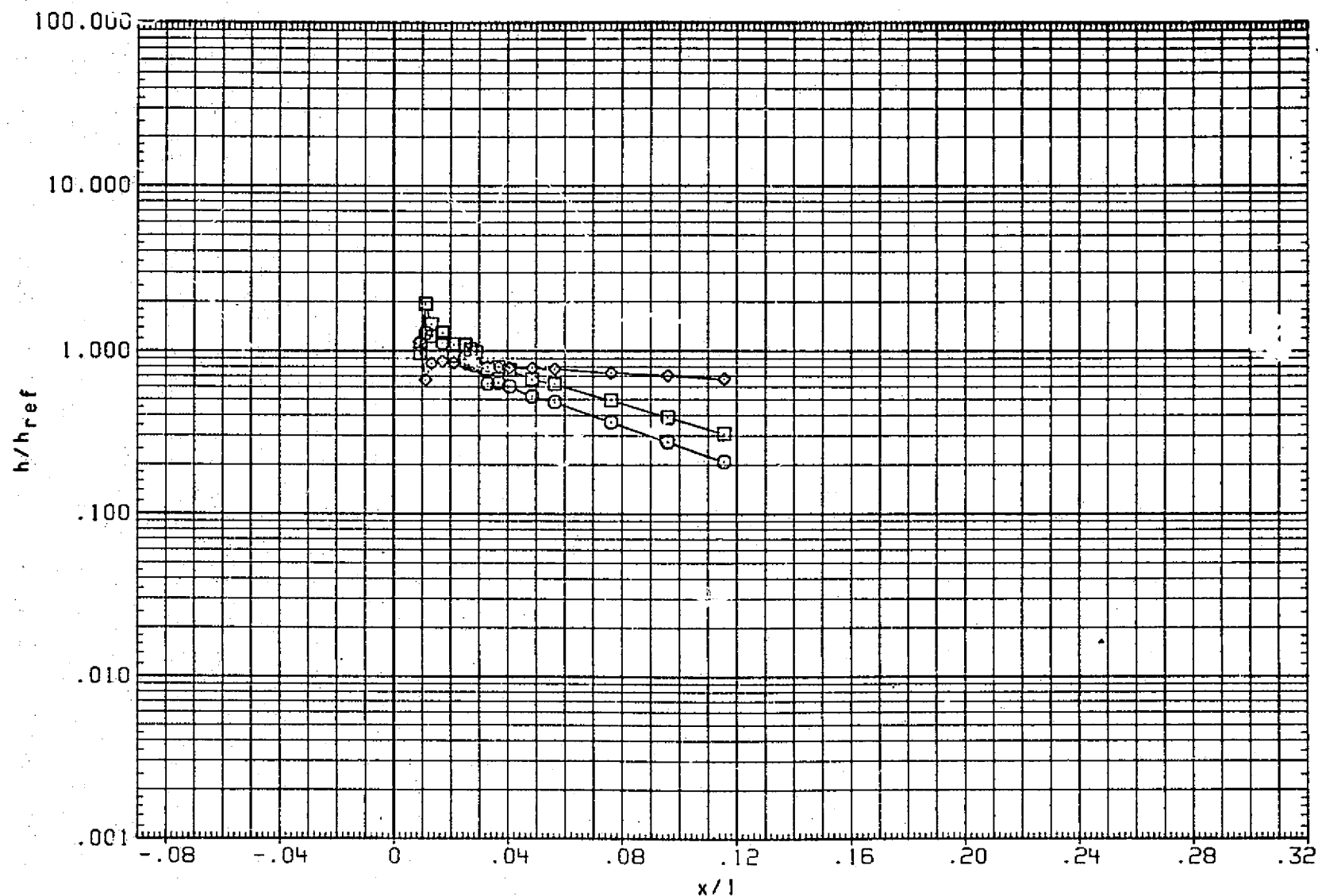


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

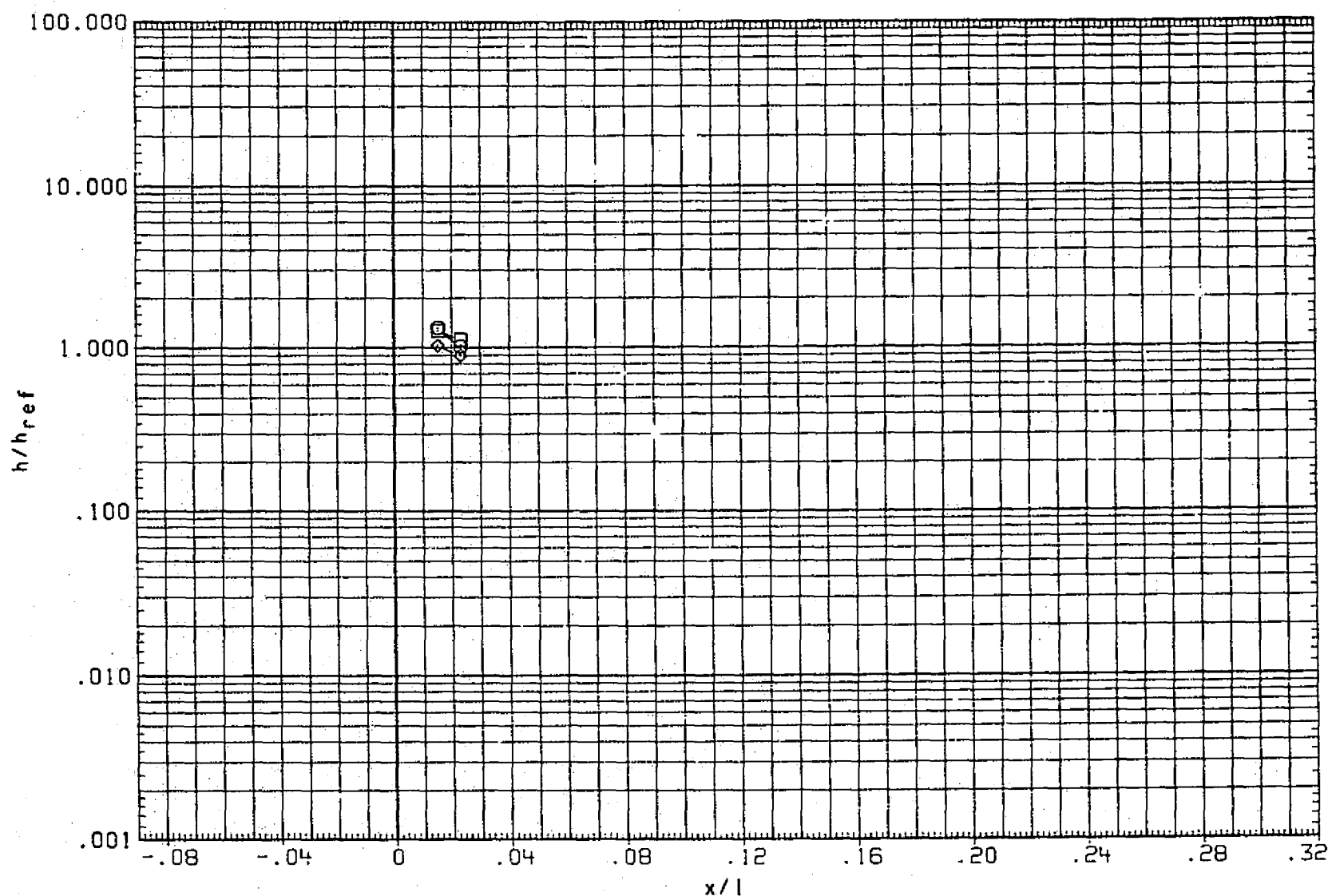


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1402

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

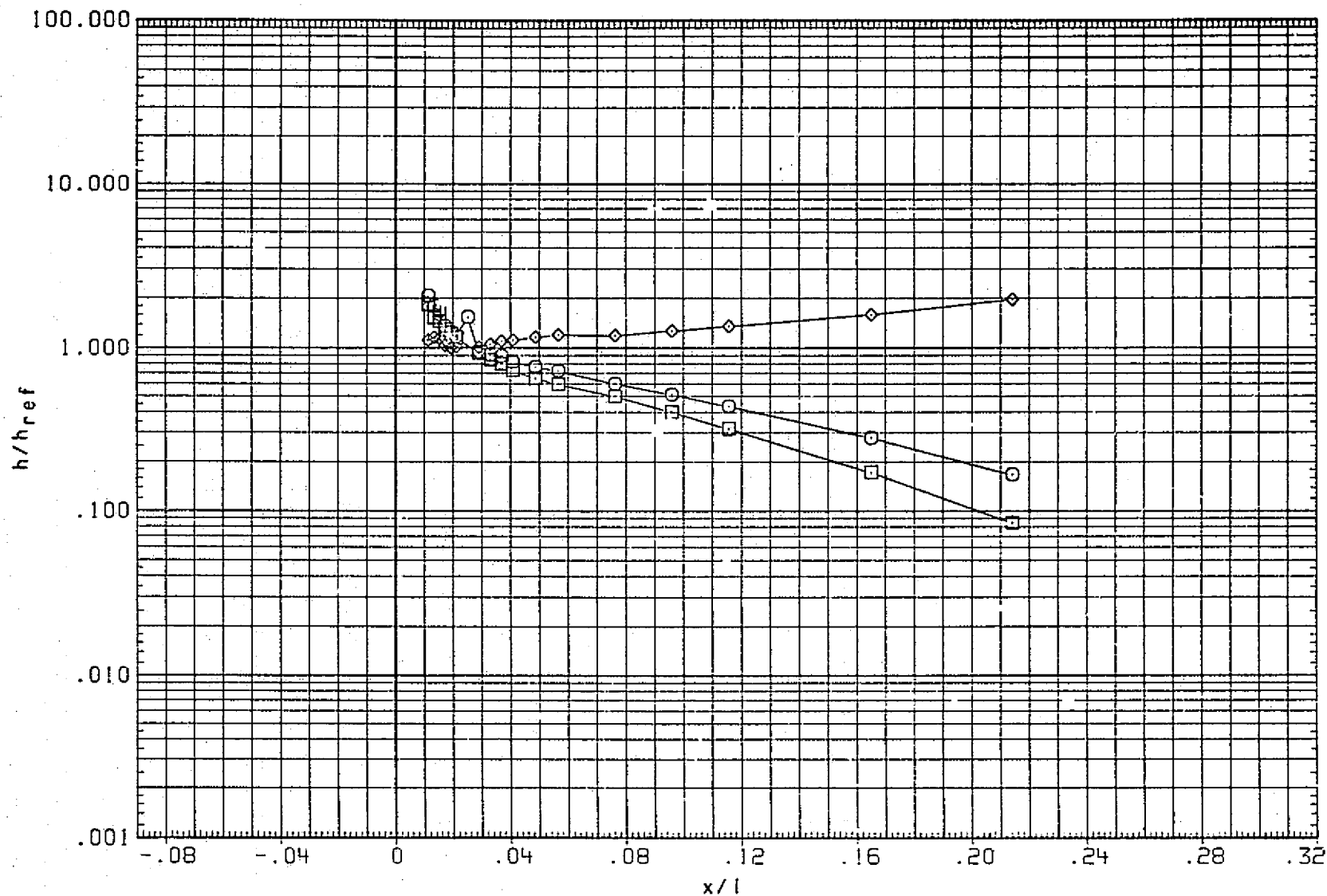


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

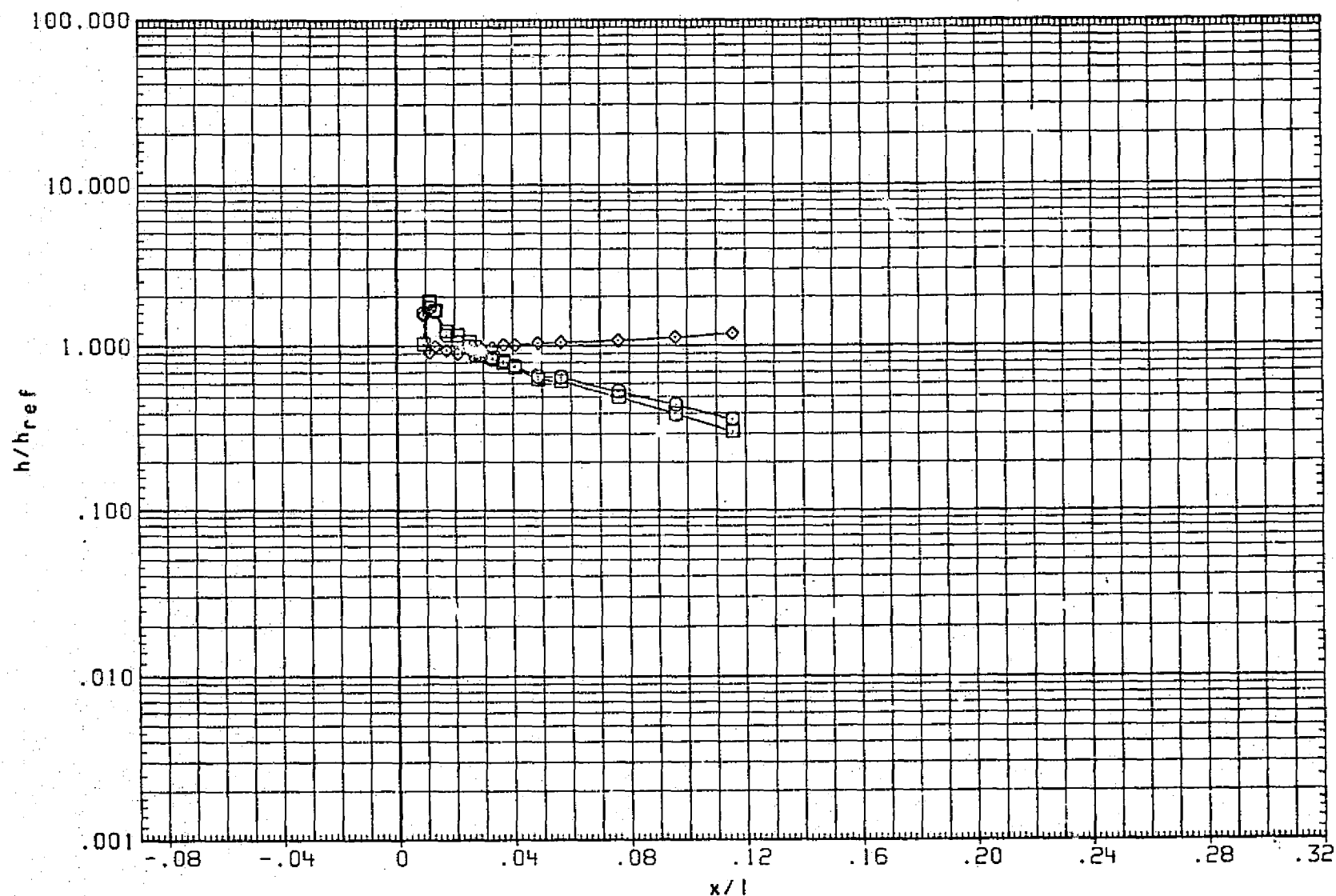


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

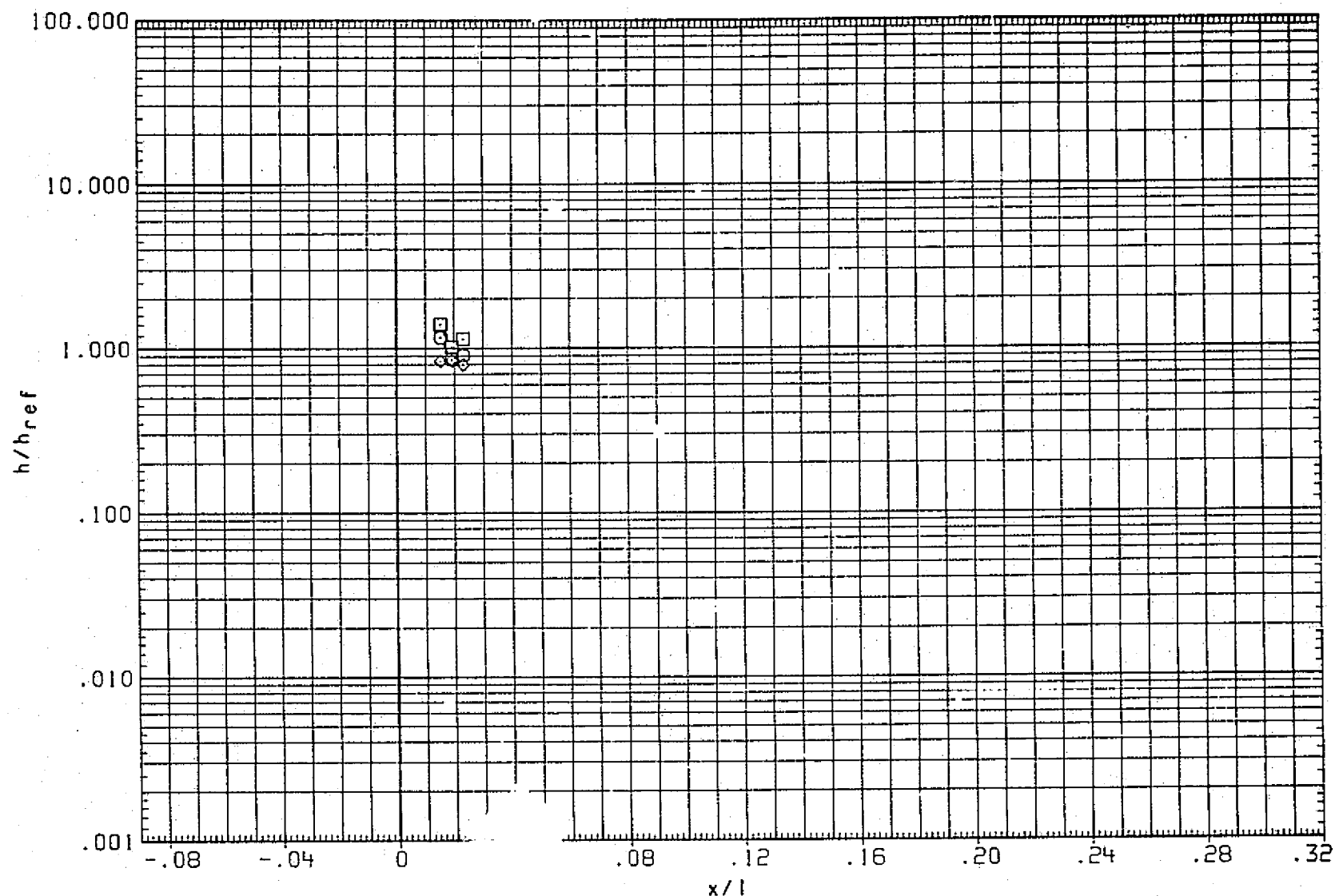


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .850 THETA = 315 000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

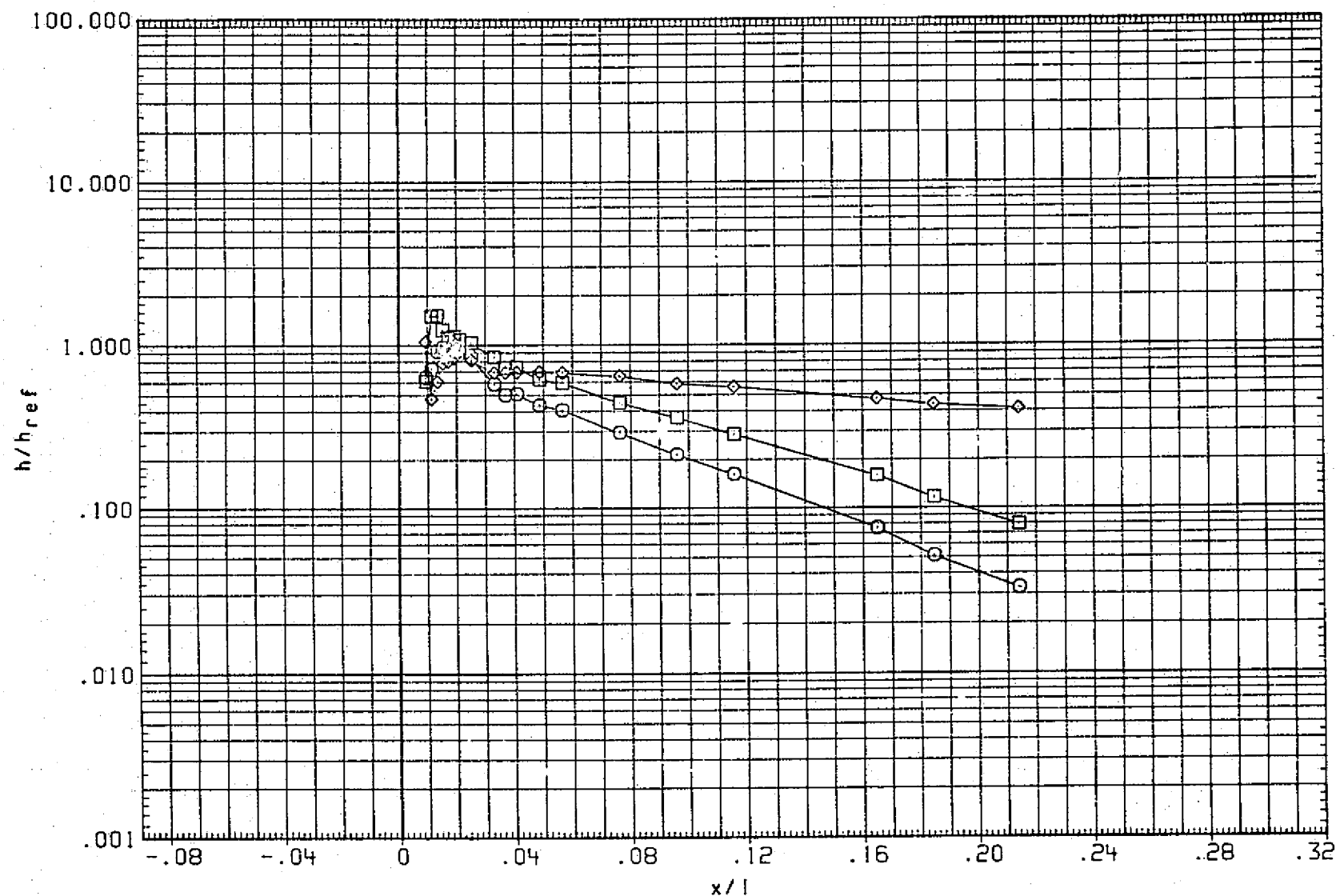


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215 FH14) HI/HU (RNTT15/RNTT20)			

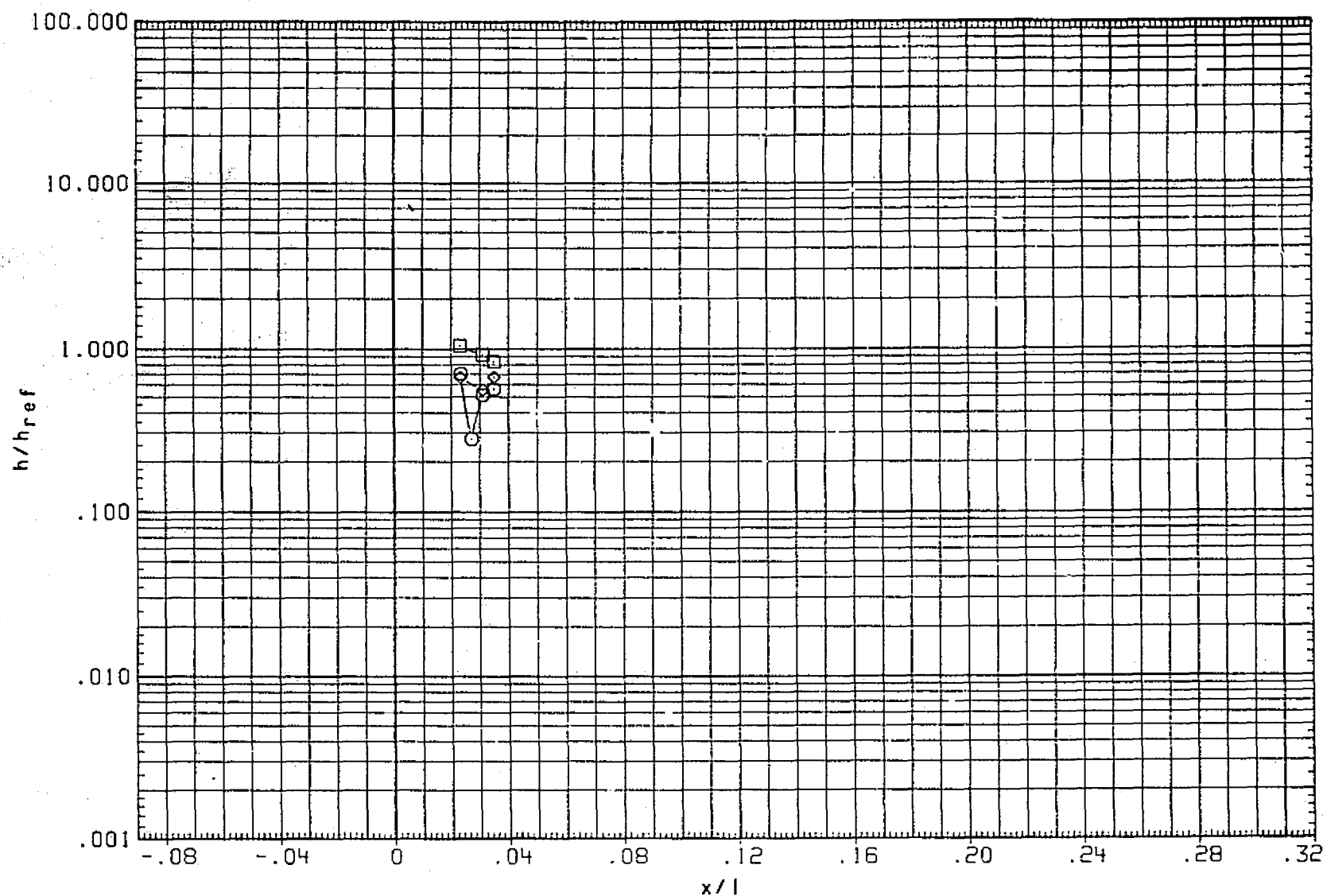


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

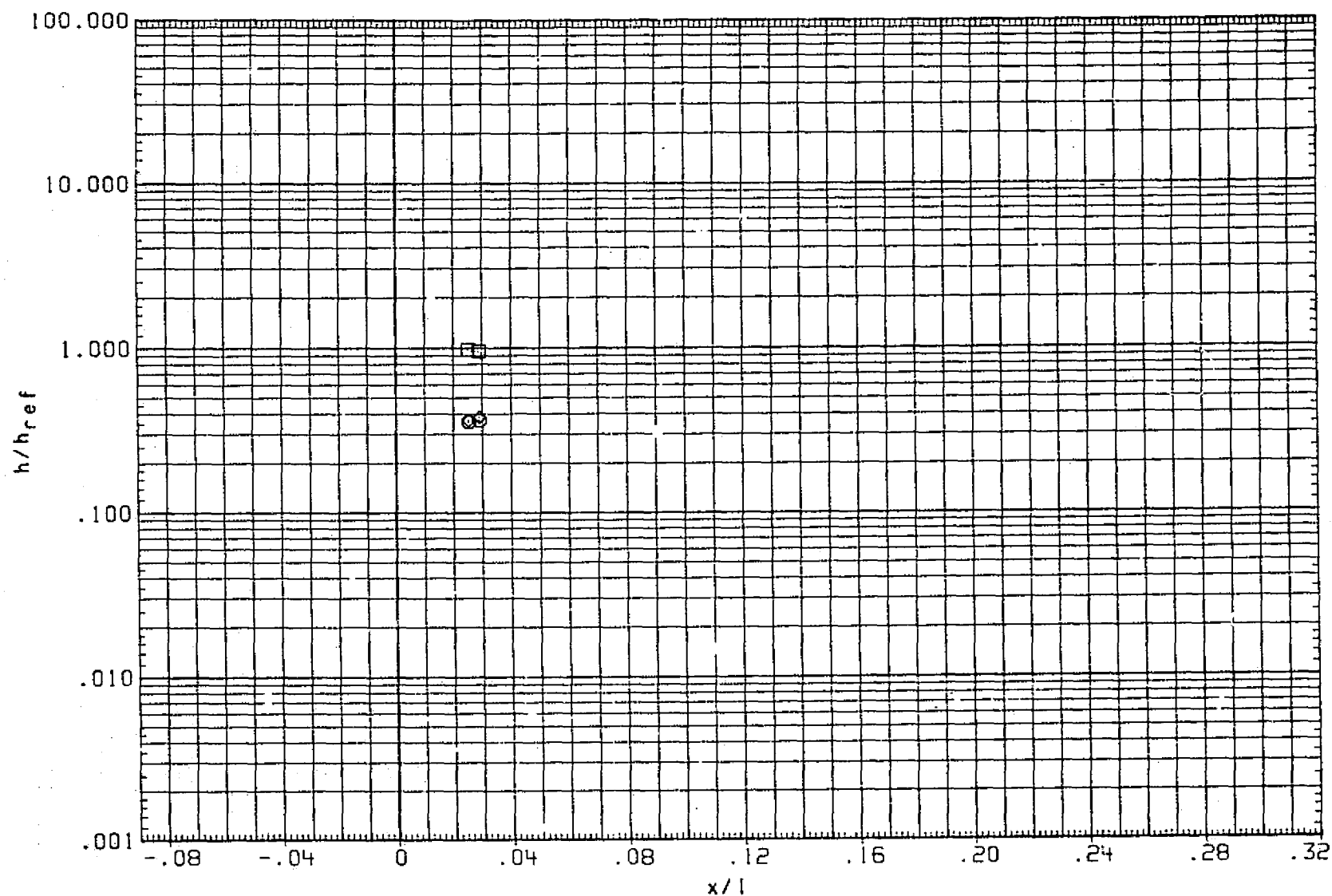


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1408

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

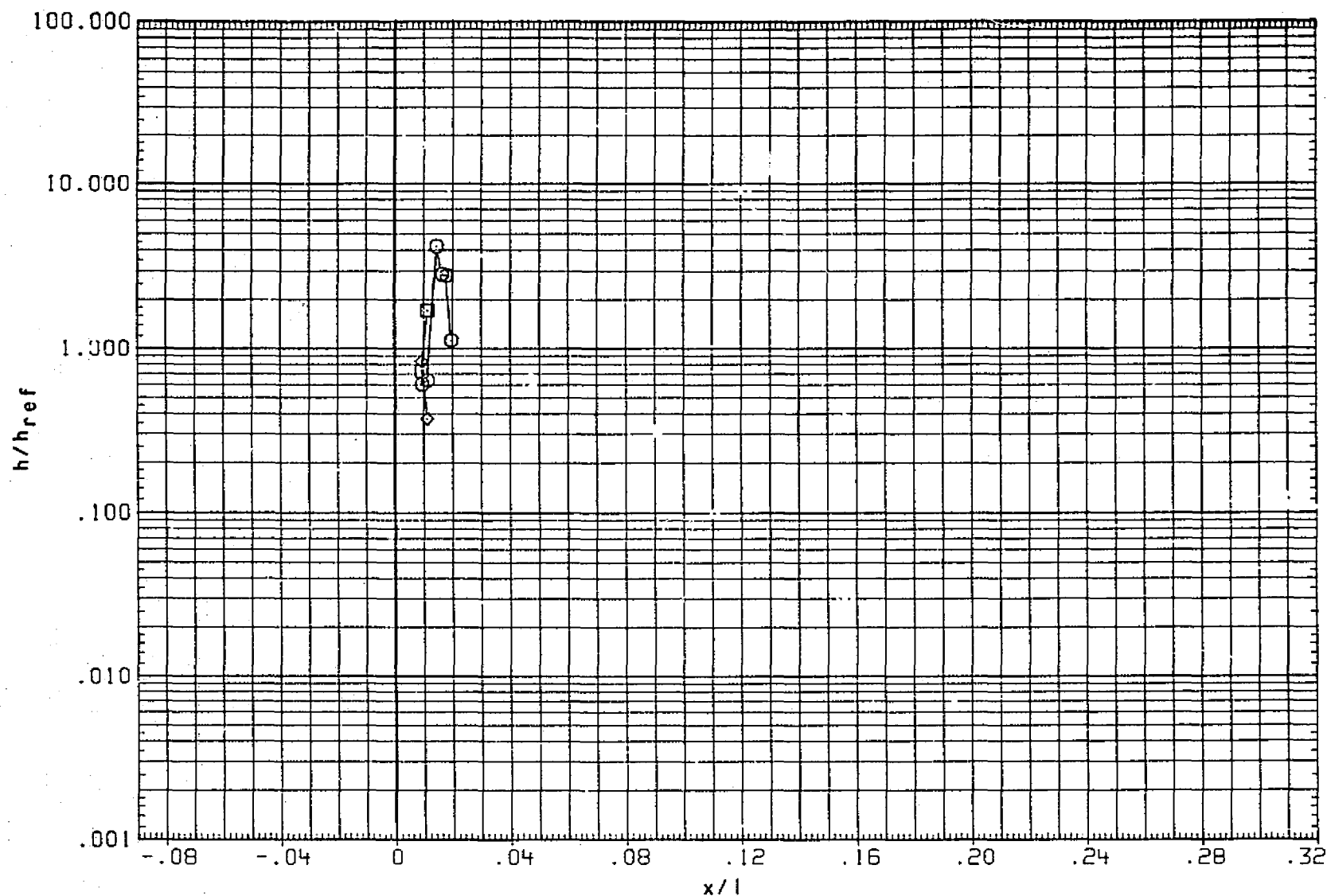


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT= .900 THETA = 31.500

PAGE 1409

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

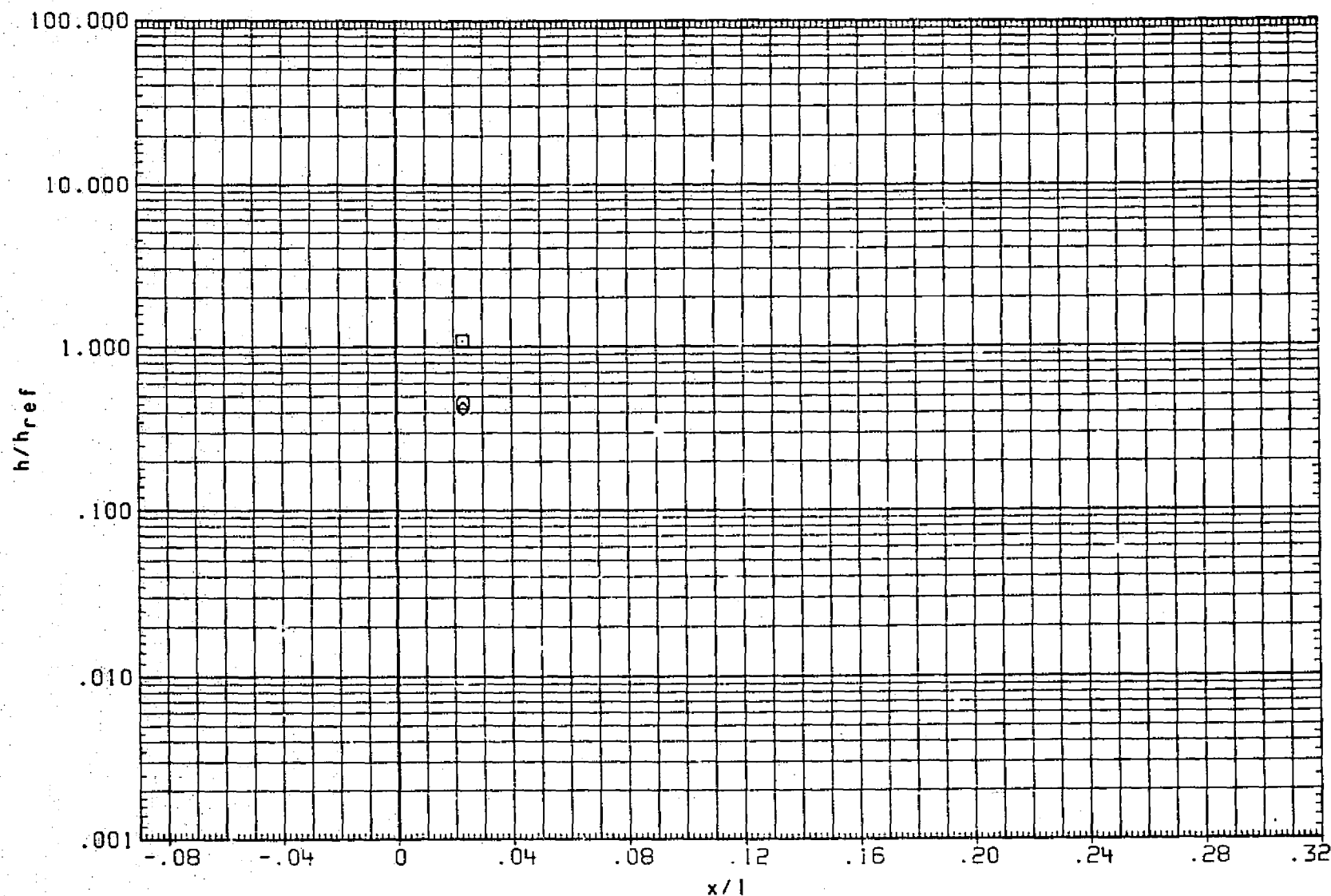


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

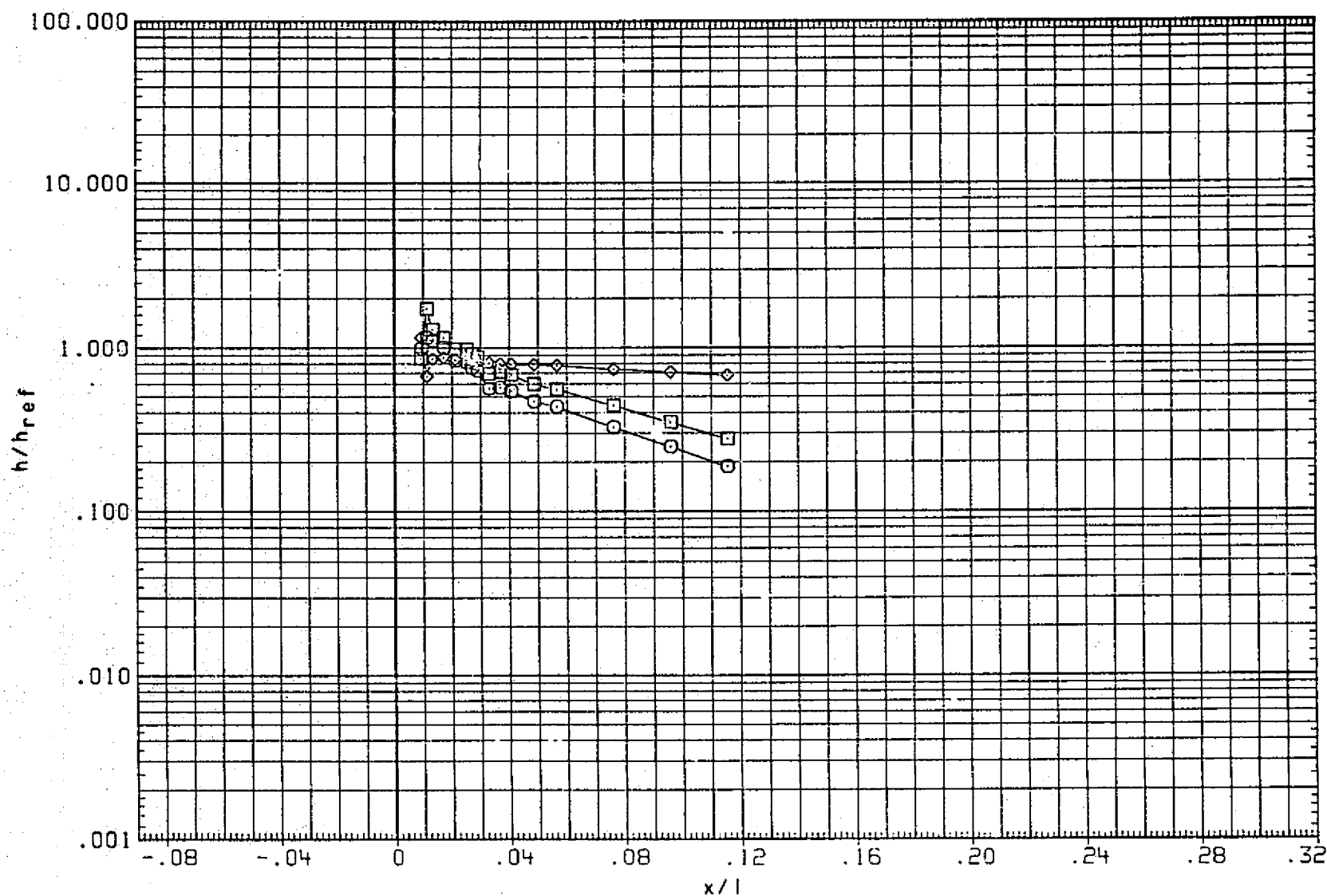


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

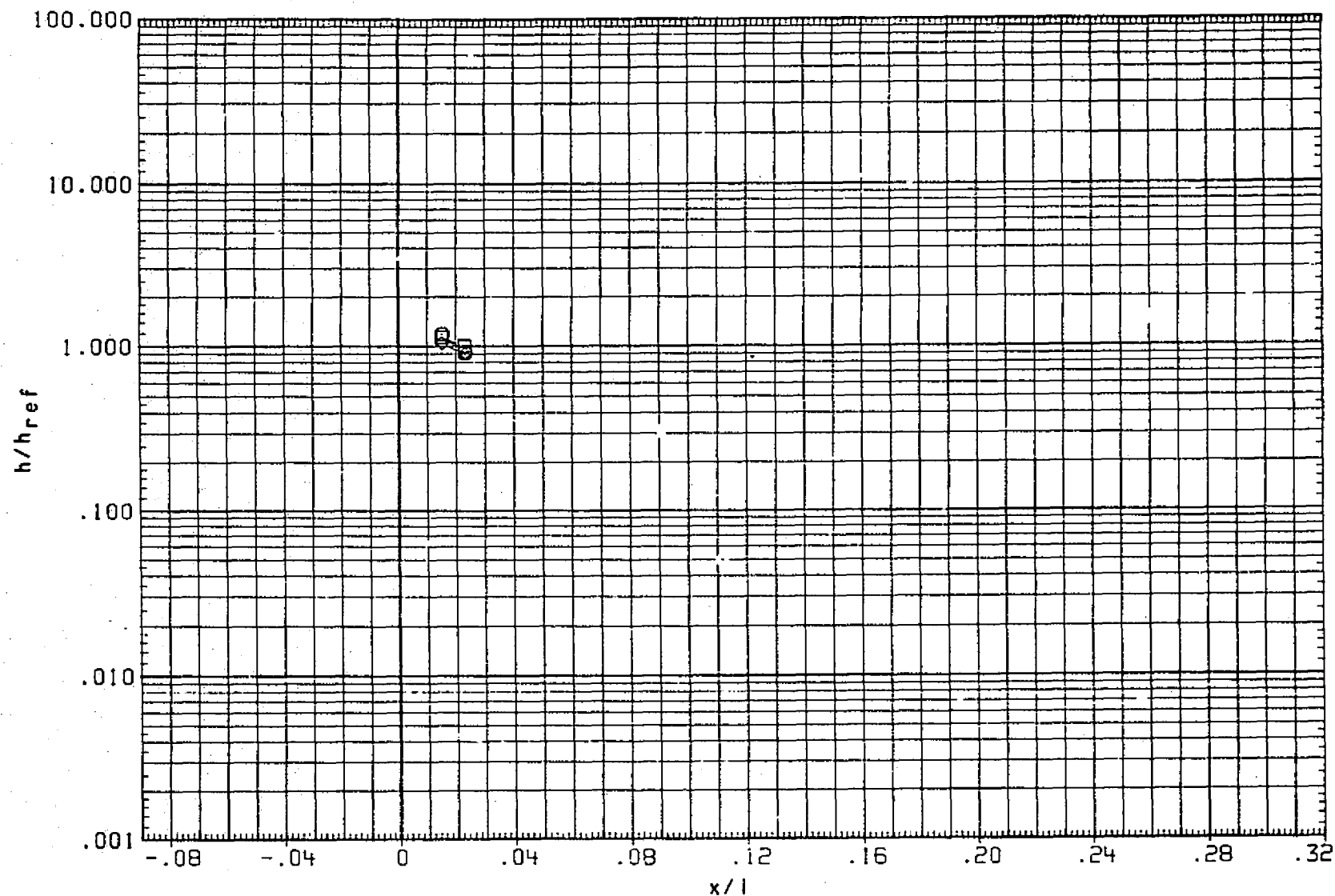


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1412

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

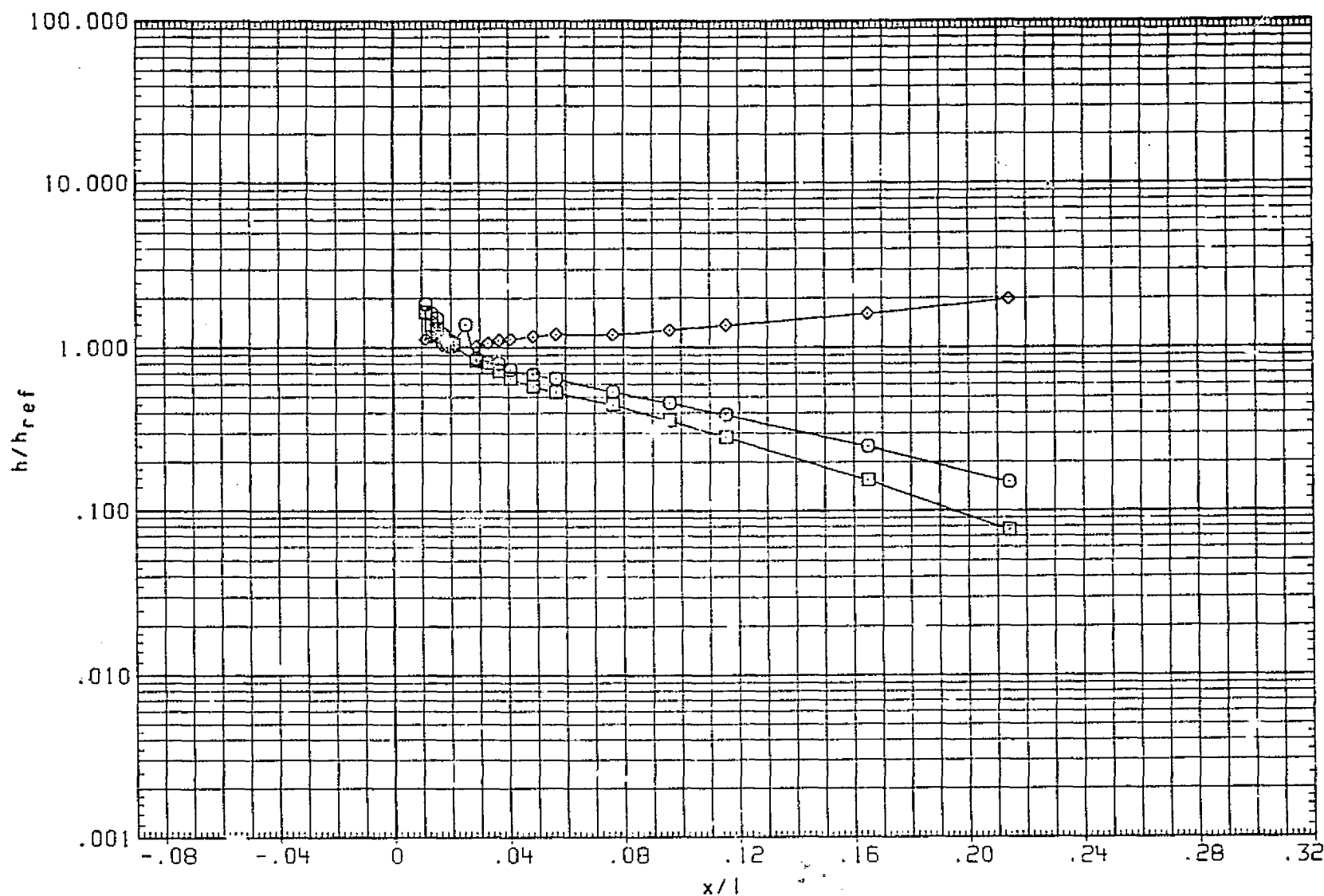


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

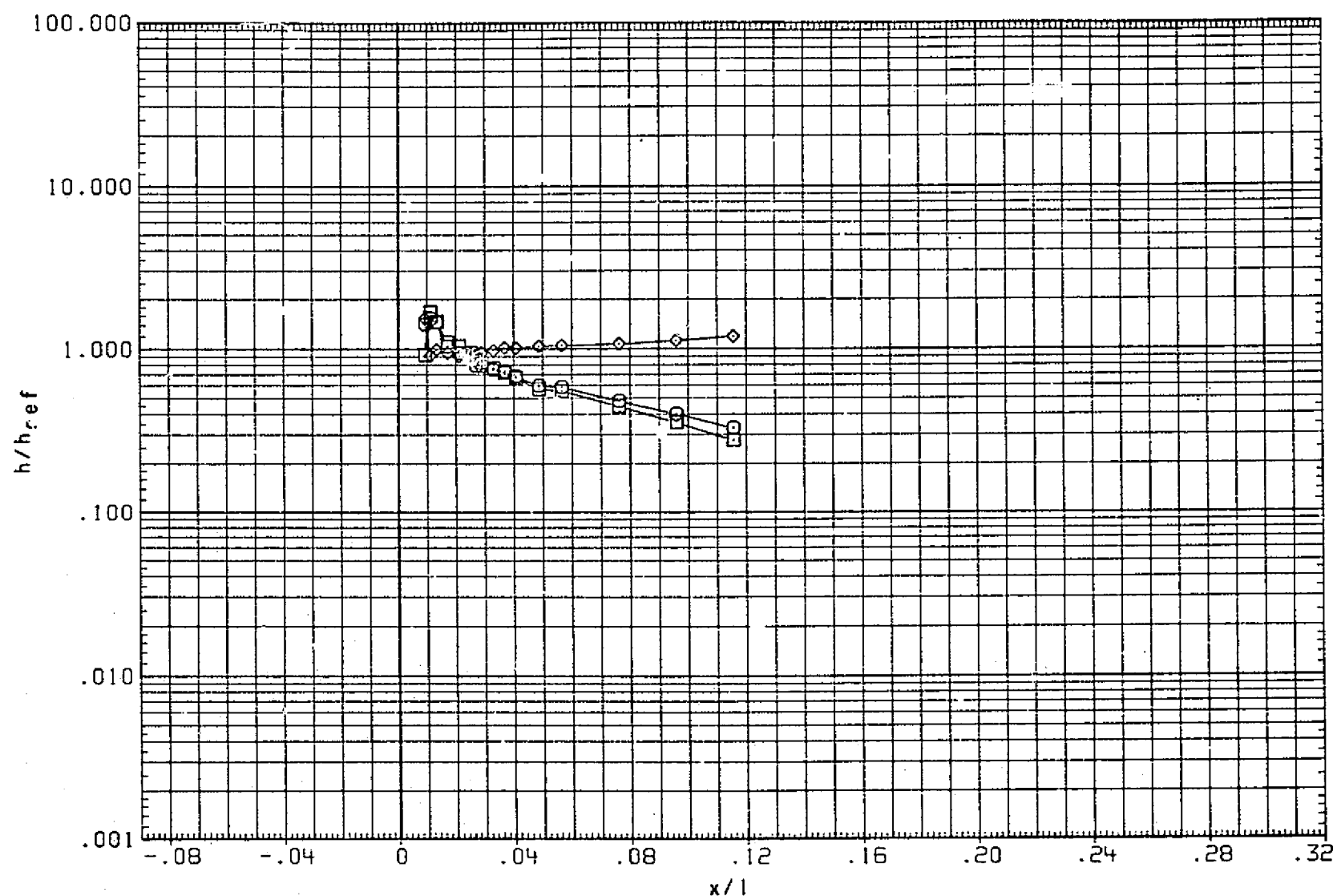


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1414

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

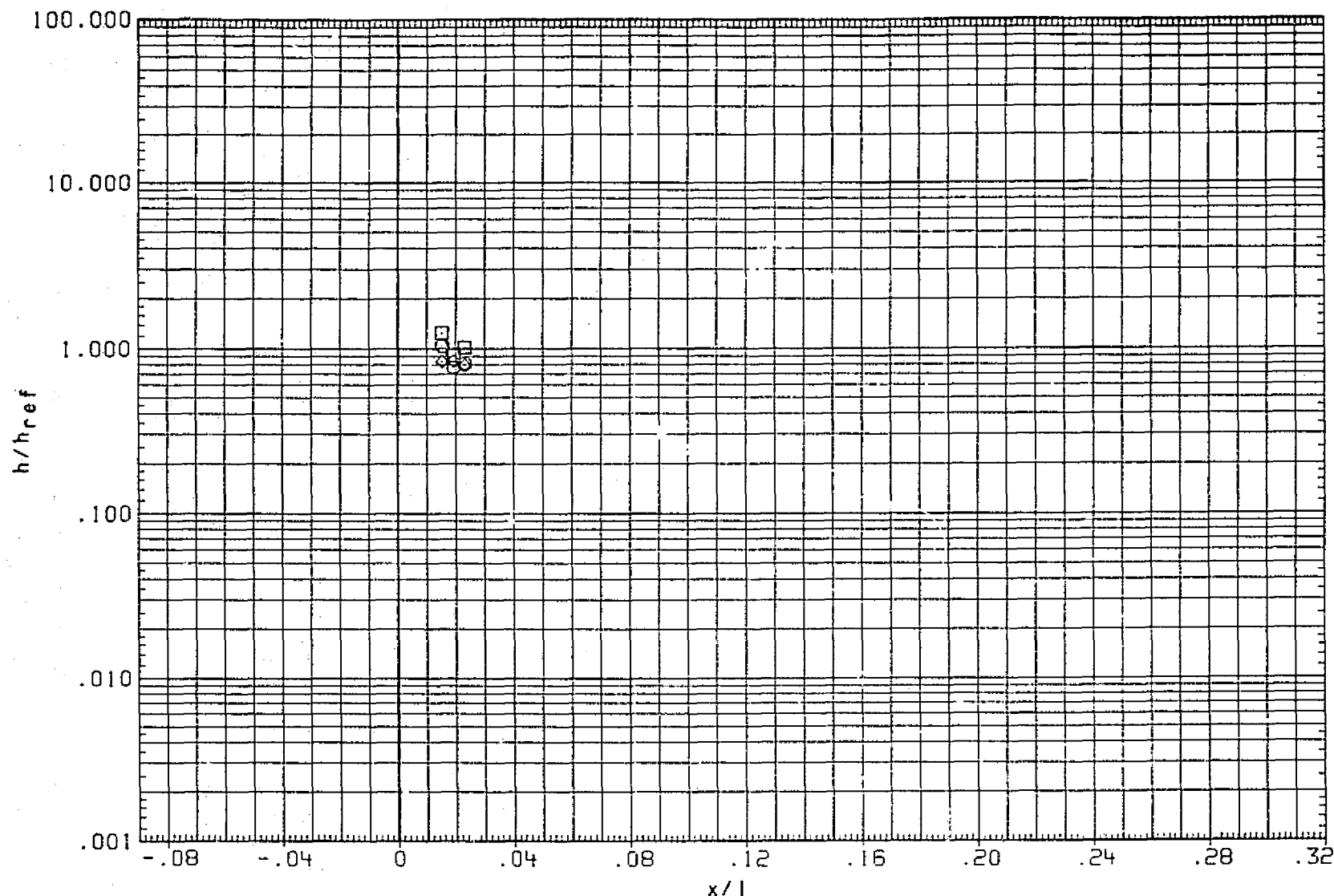


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

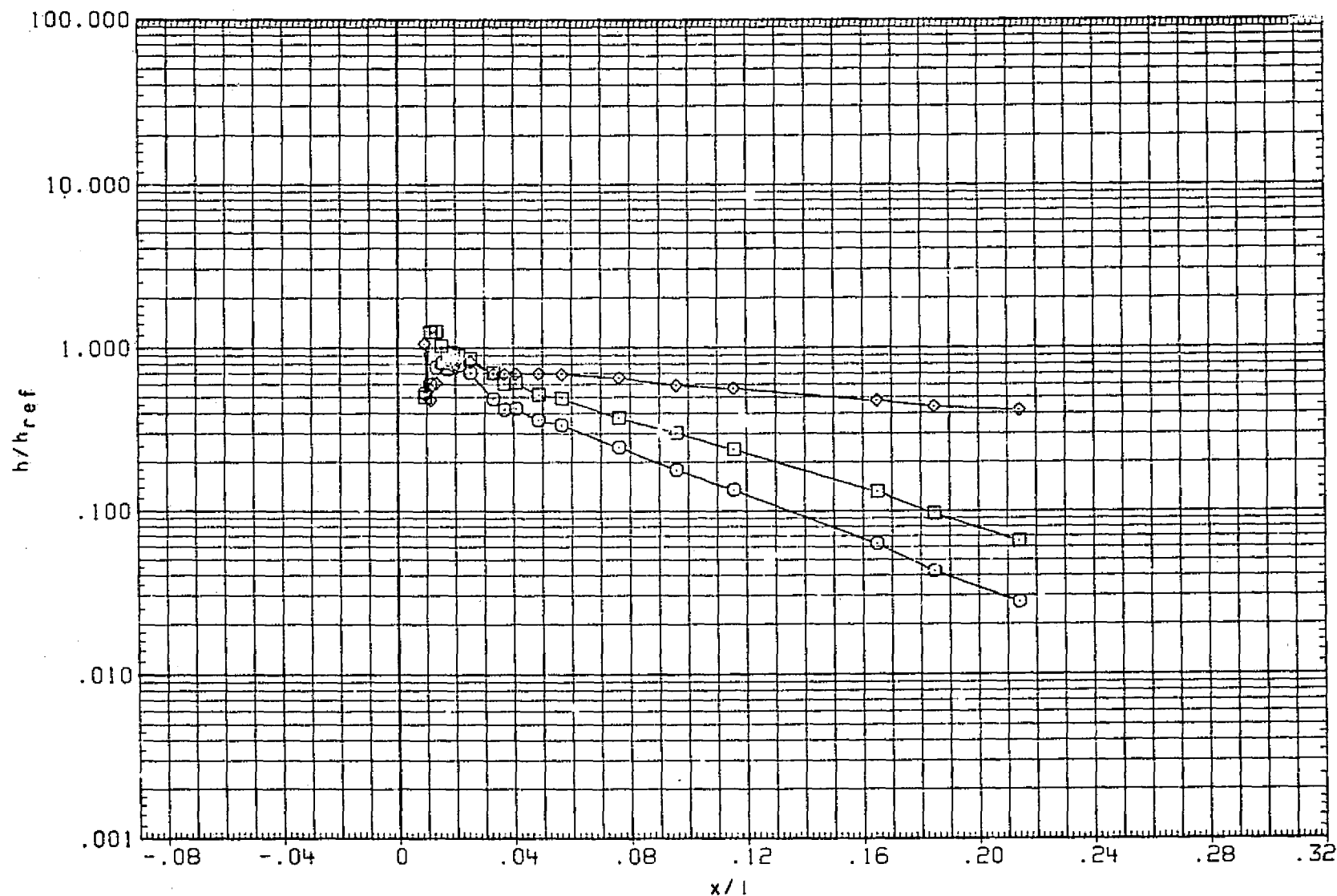


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE FT NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

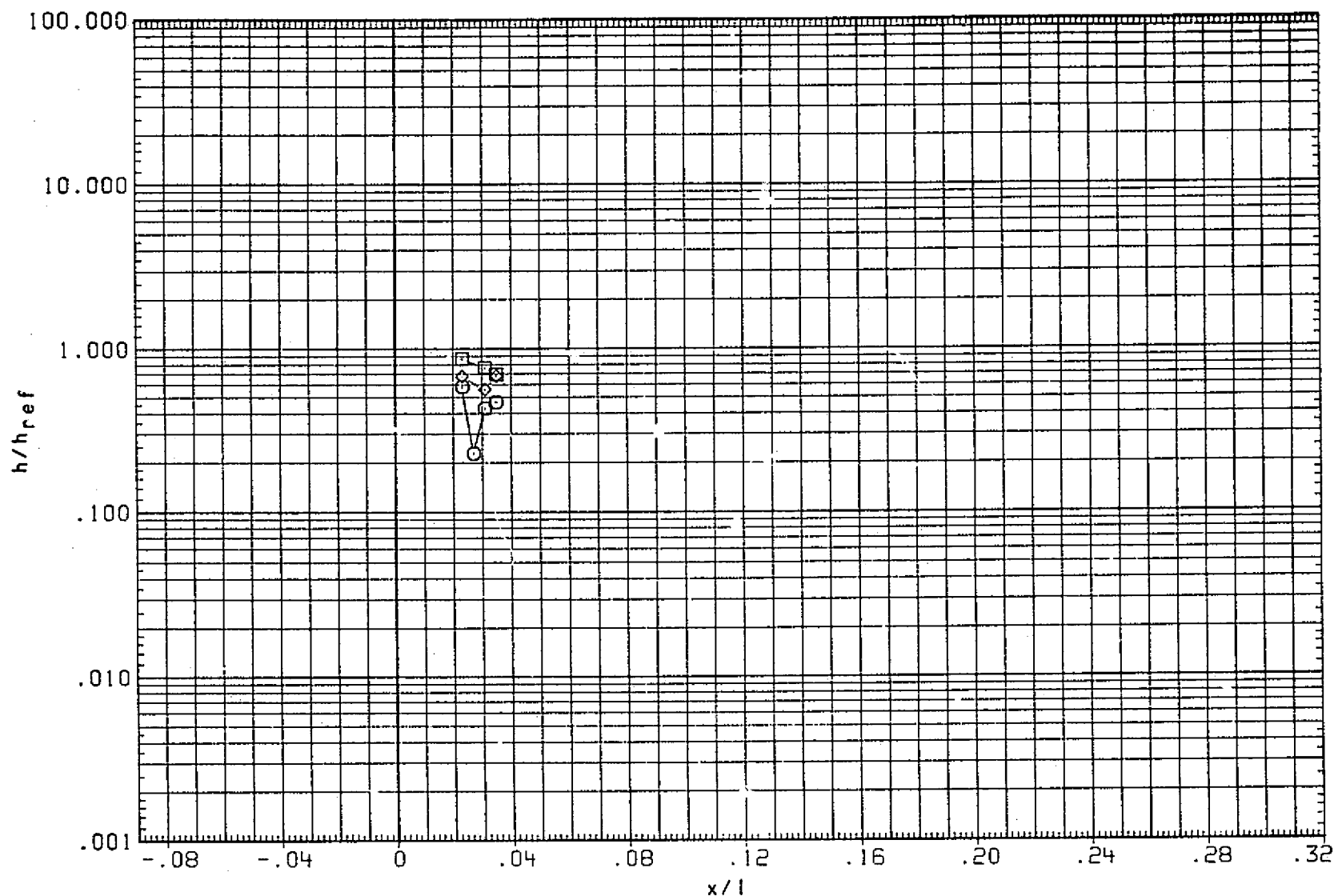


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

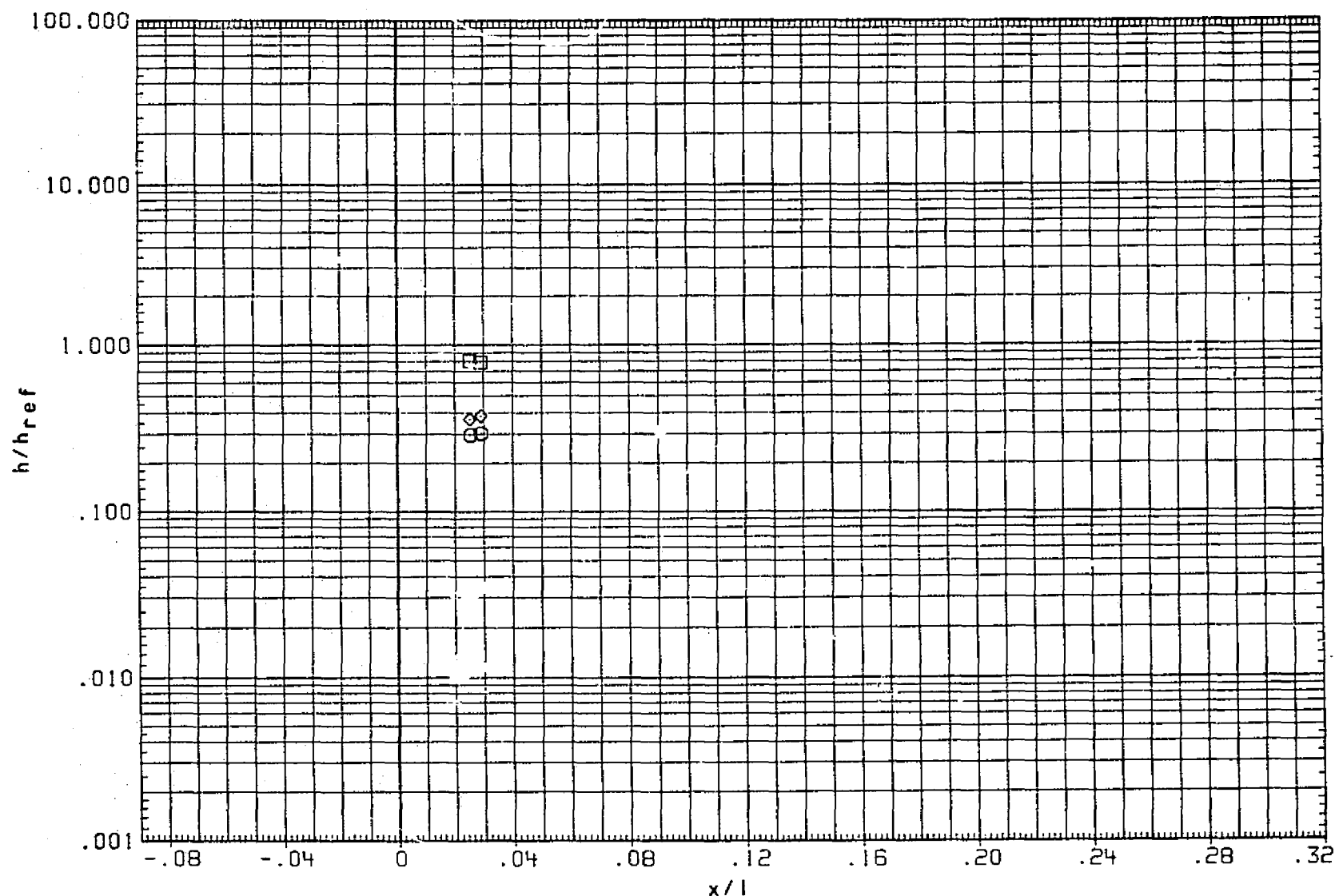


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/H1 = 1.000 THETA = 20.000

PAGE 1418

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)

ALPHA	BETA	RN/L
10.000	-6.000	5.000
.000	.000	5.000
		5.000

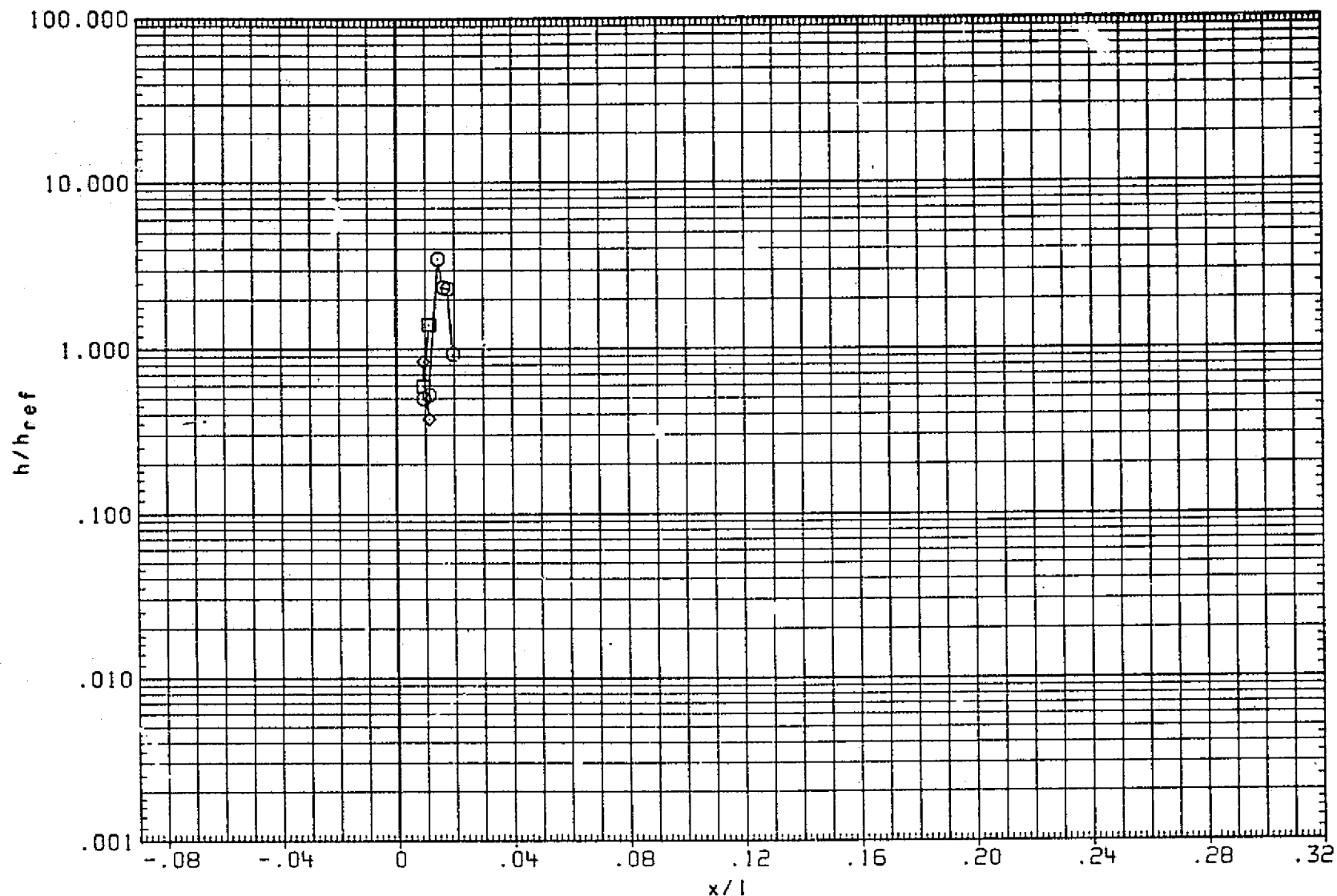


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1419

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

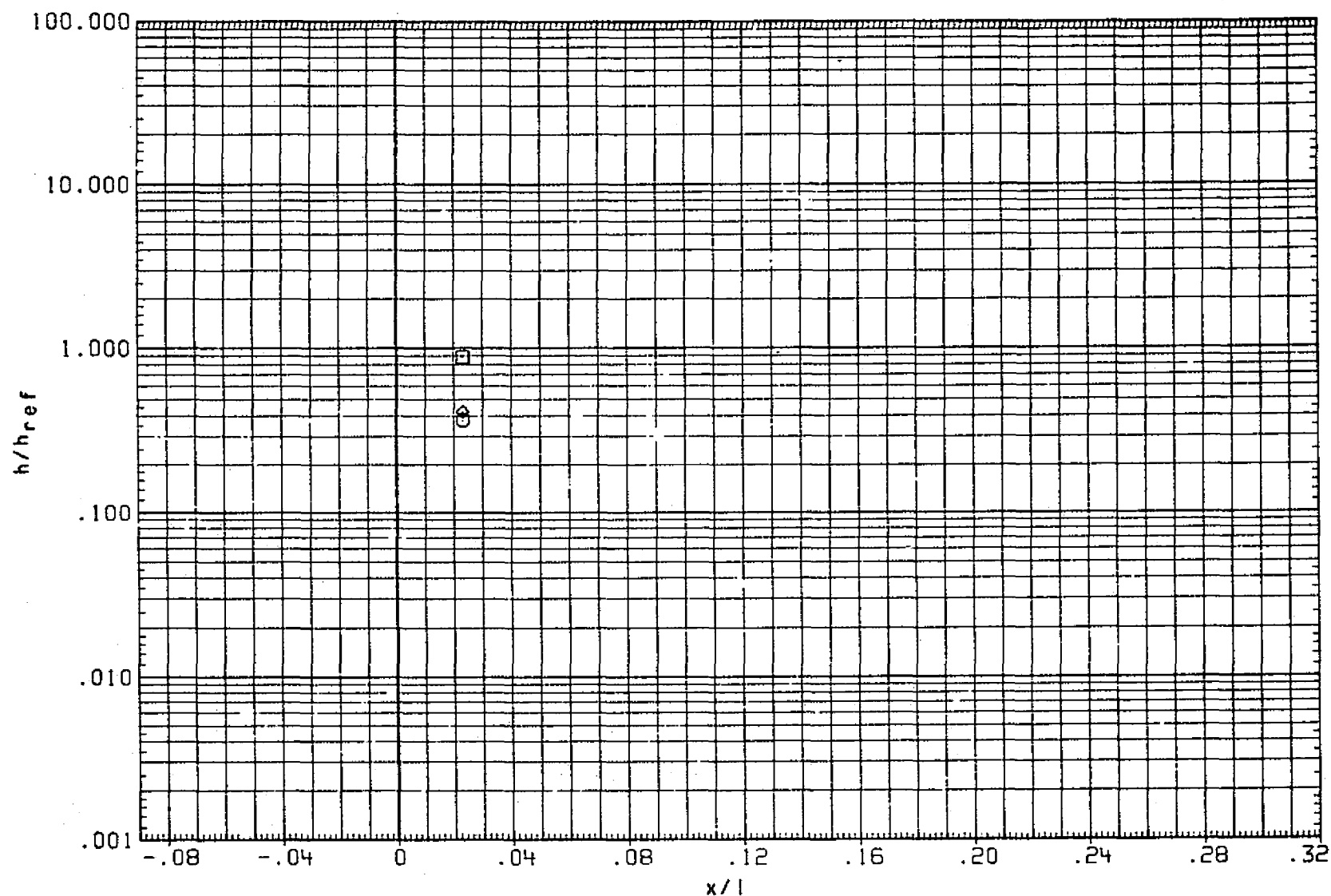


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1420

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

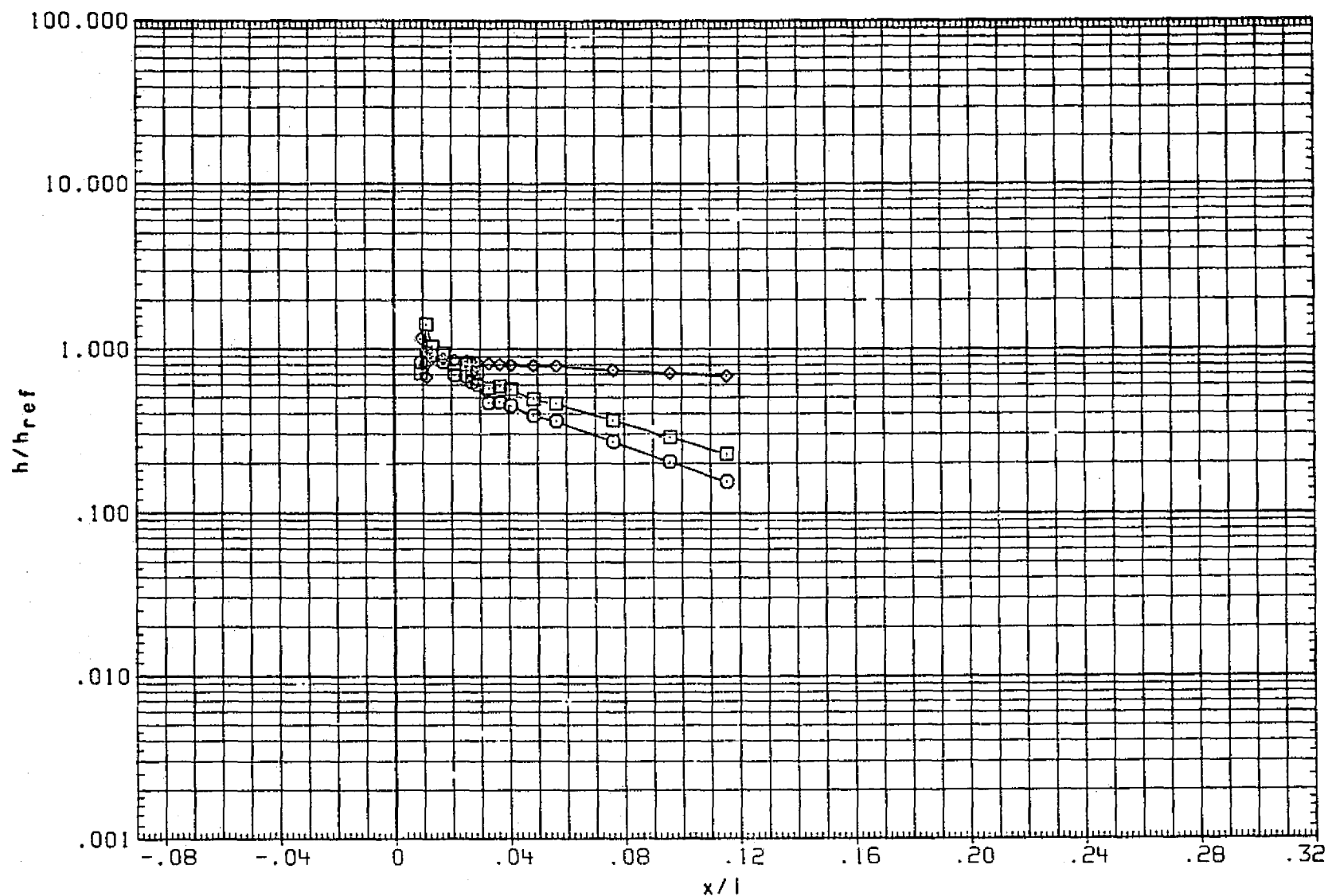


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

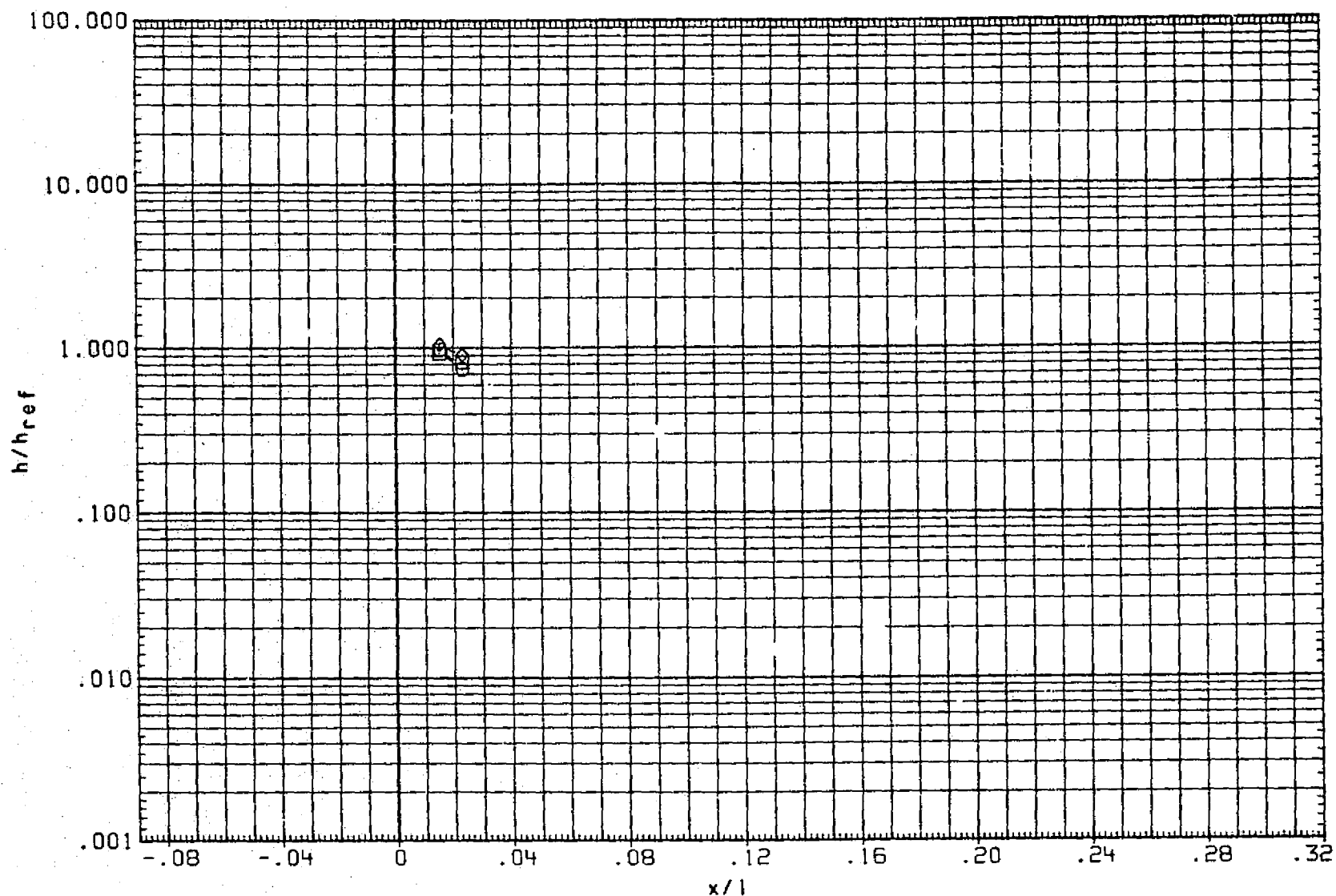


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1422

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) H1/HU (RNTT15/RNTT20)			5.000

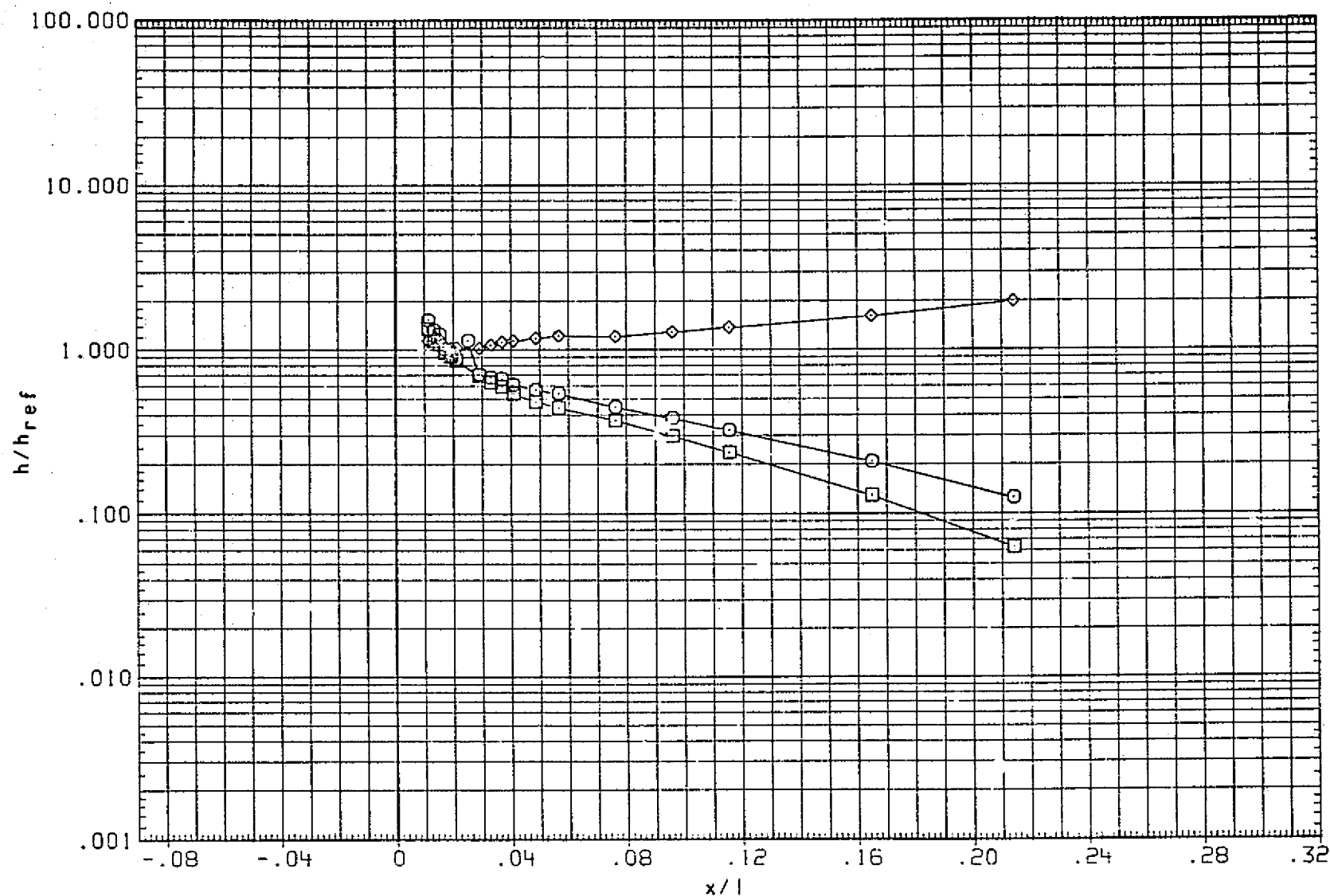


FIG. 15 TANK FOREBODY H1/HU (ALPHA=0 ,BETA=C FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

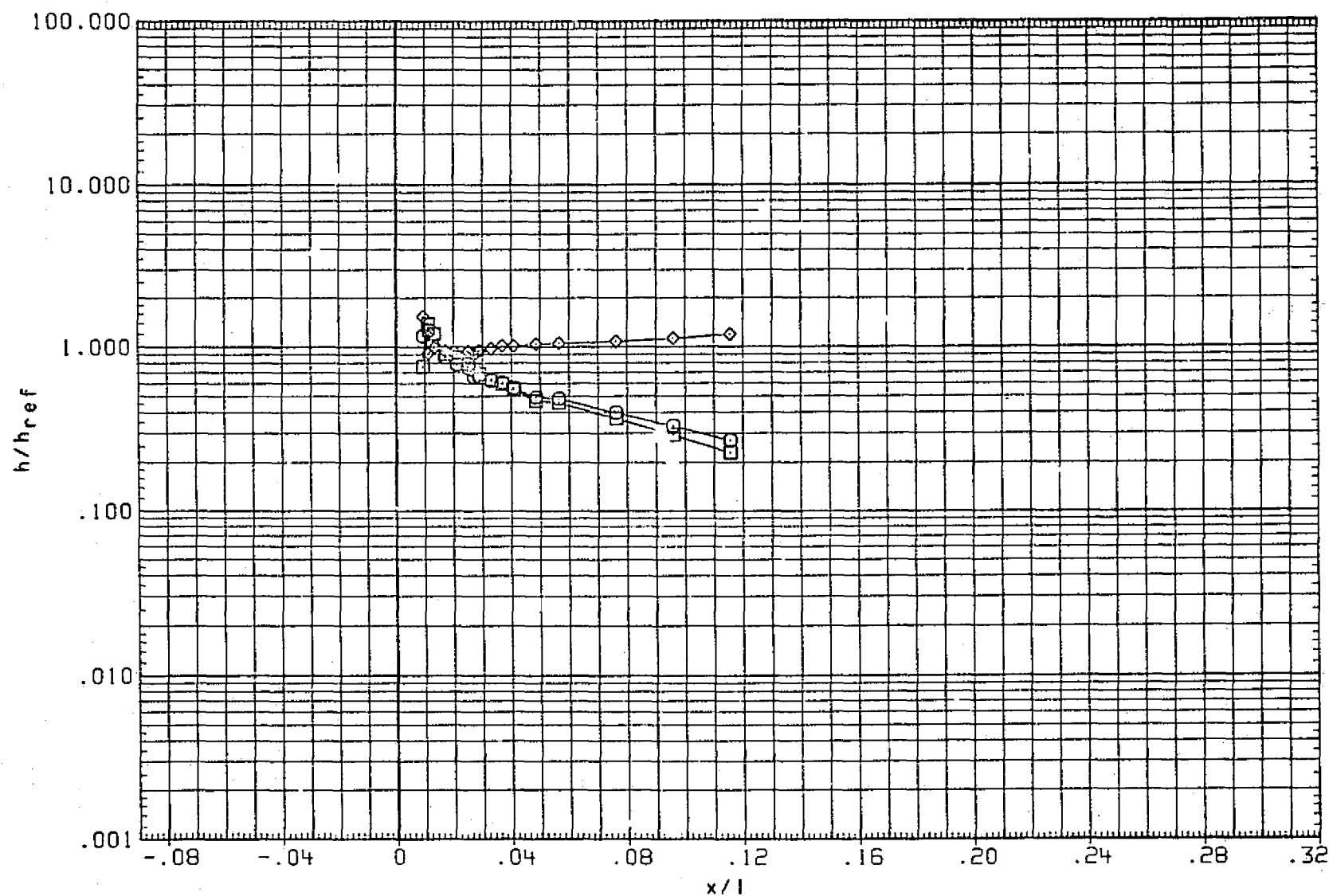


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1424

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT15)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	10.000	-6.000	5.000
(RNTT20)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	.000	.000	5.000
(CNTT15)	◇	ARC3.5-215(FH14) HI/HU (RNTT15/RNTT20)			5.000

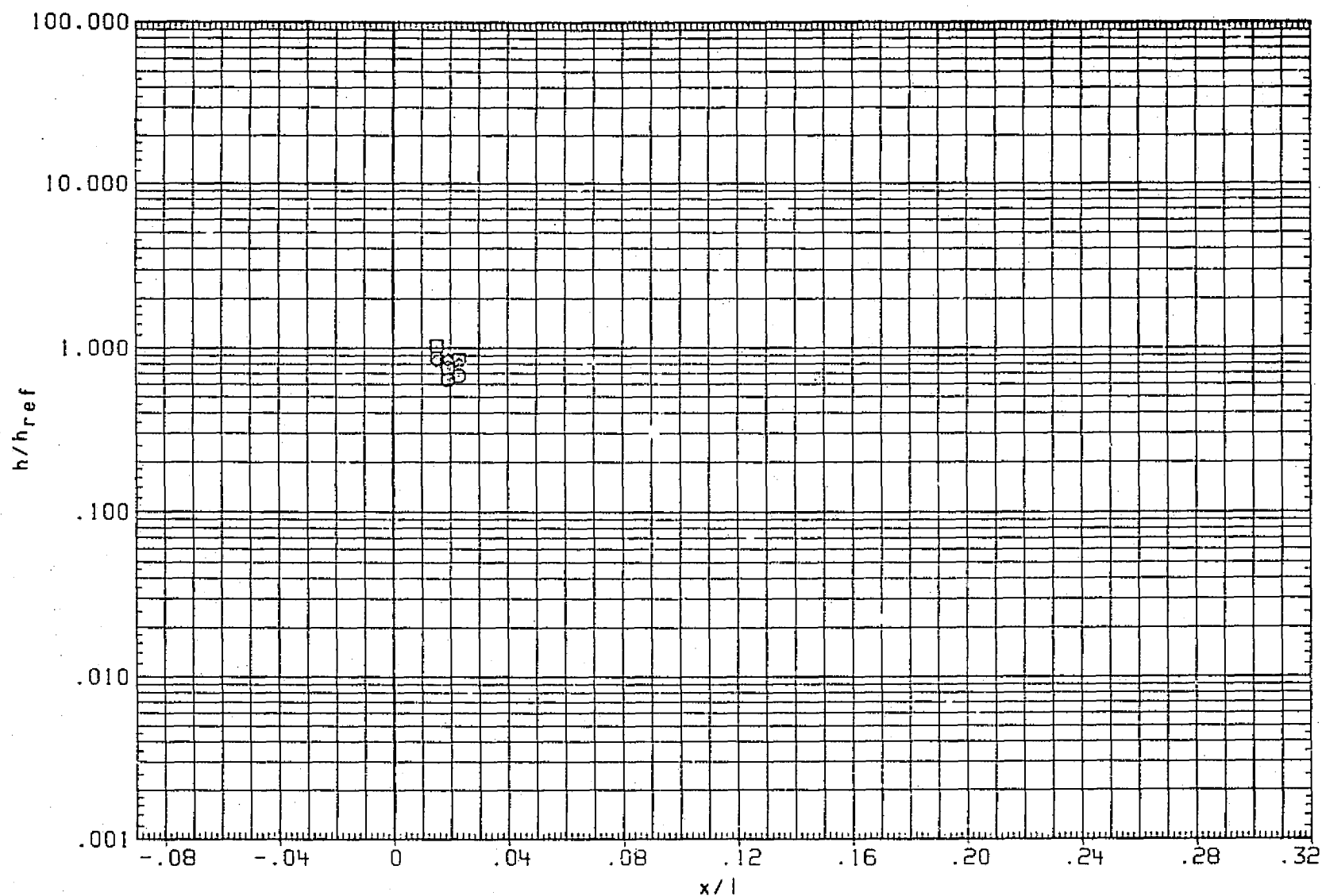


FIG. 15 TANK FOREBODY HI/HU (ALPHA=0 ,BETA=0 FOR HU)

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

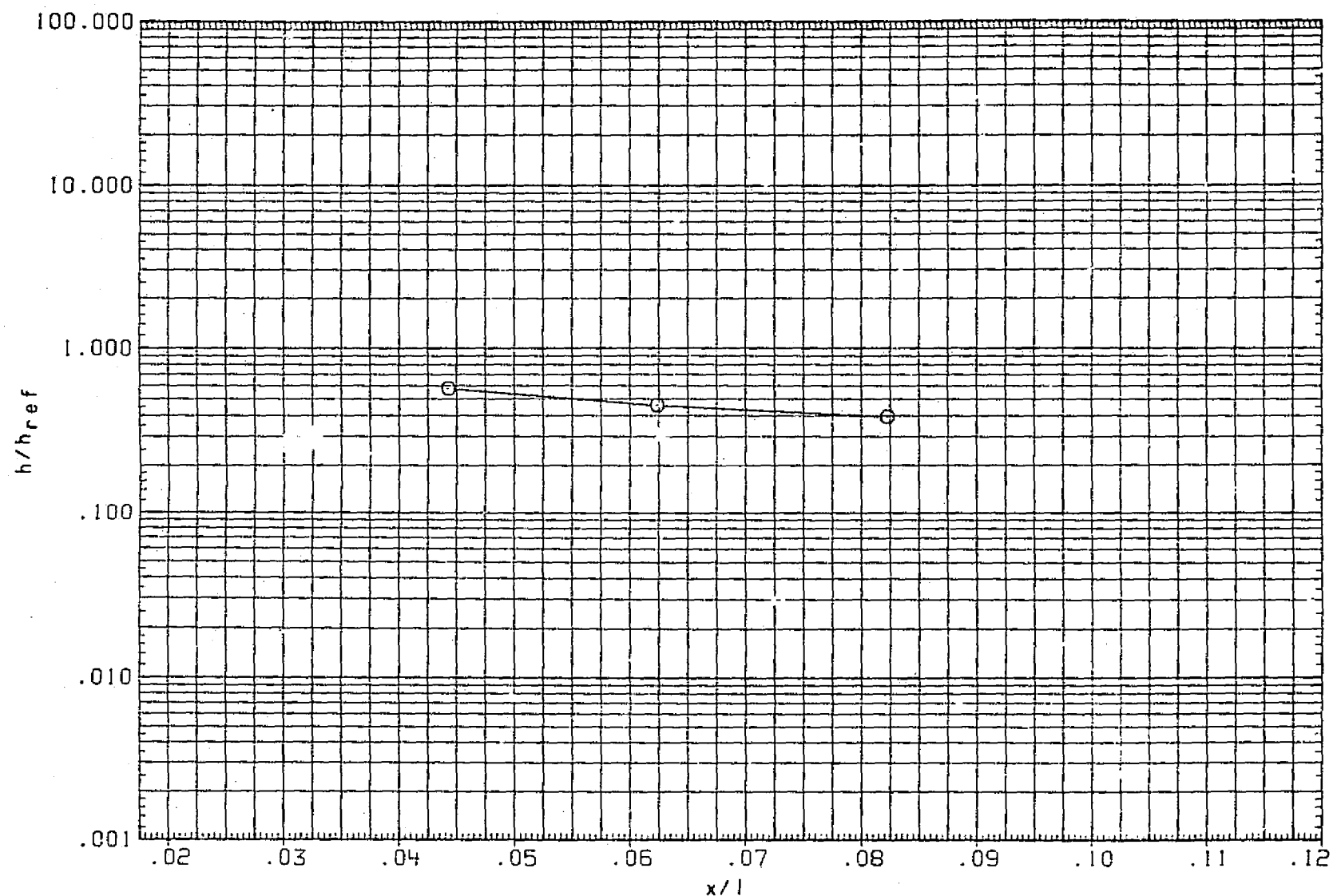


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = -.007

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

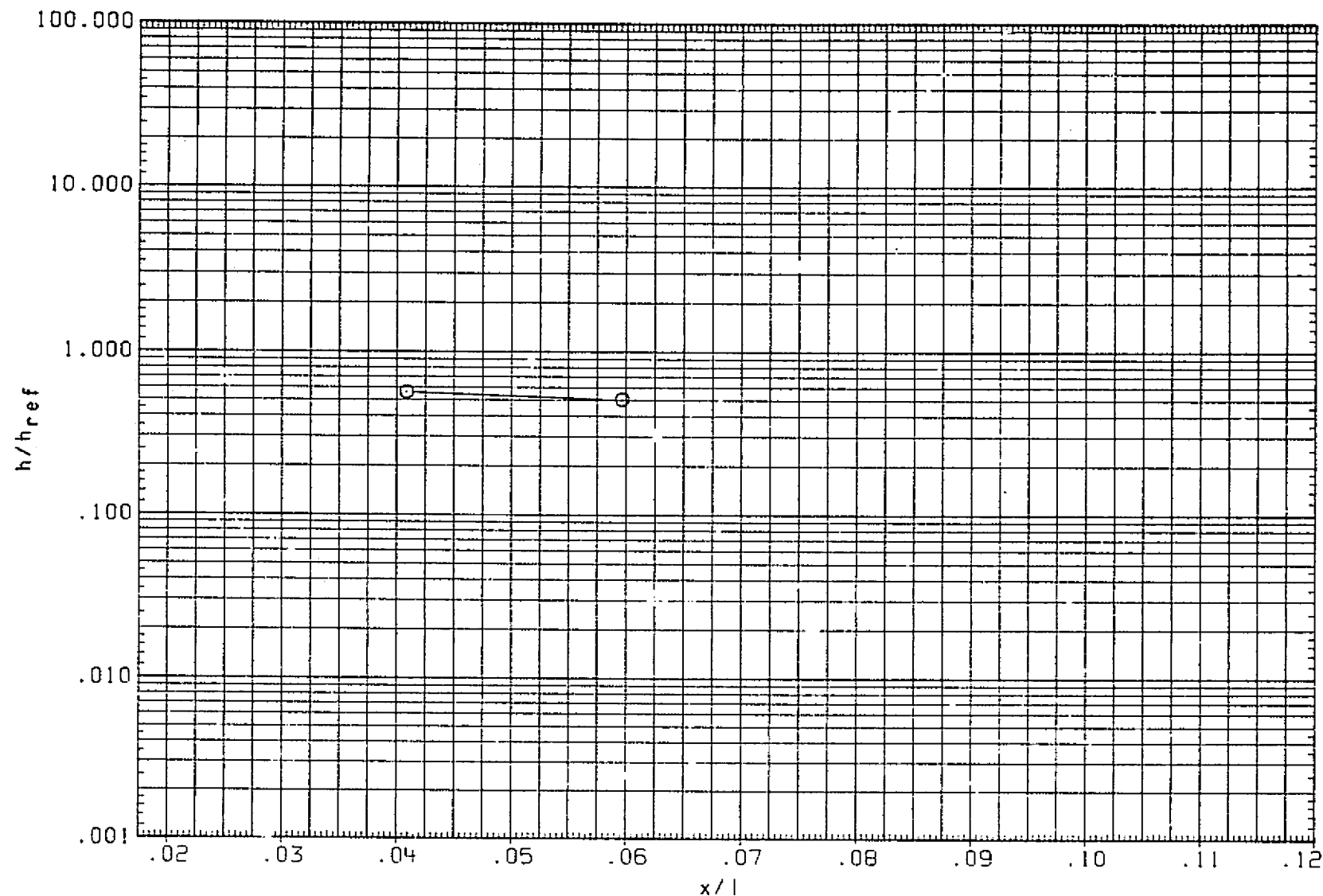


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = -.006

PAGE 1427

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA  $\beta$  A RN/L  
.000 .000 1.500

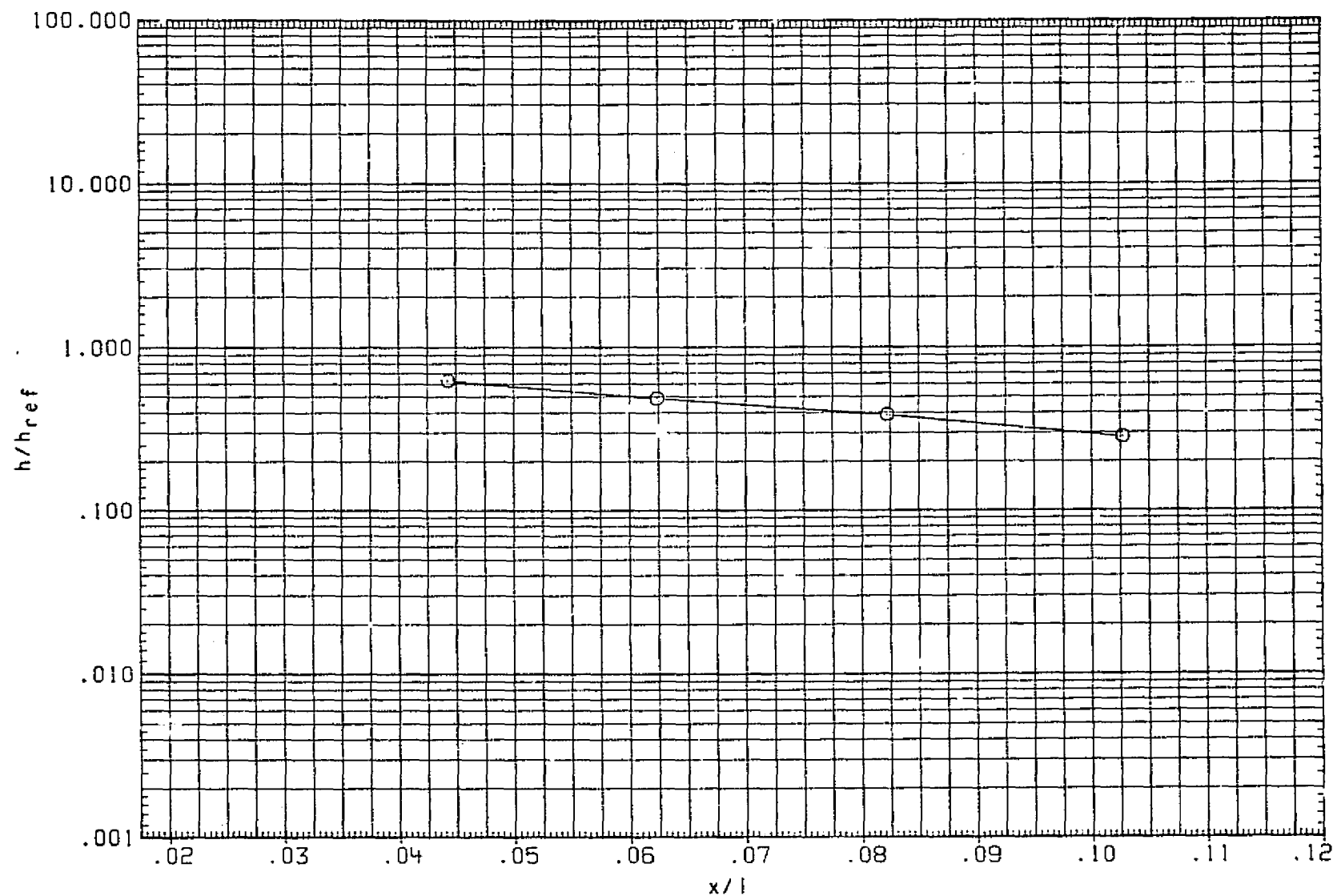


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = -.005

PAGE 1428

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

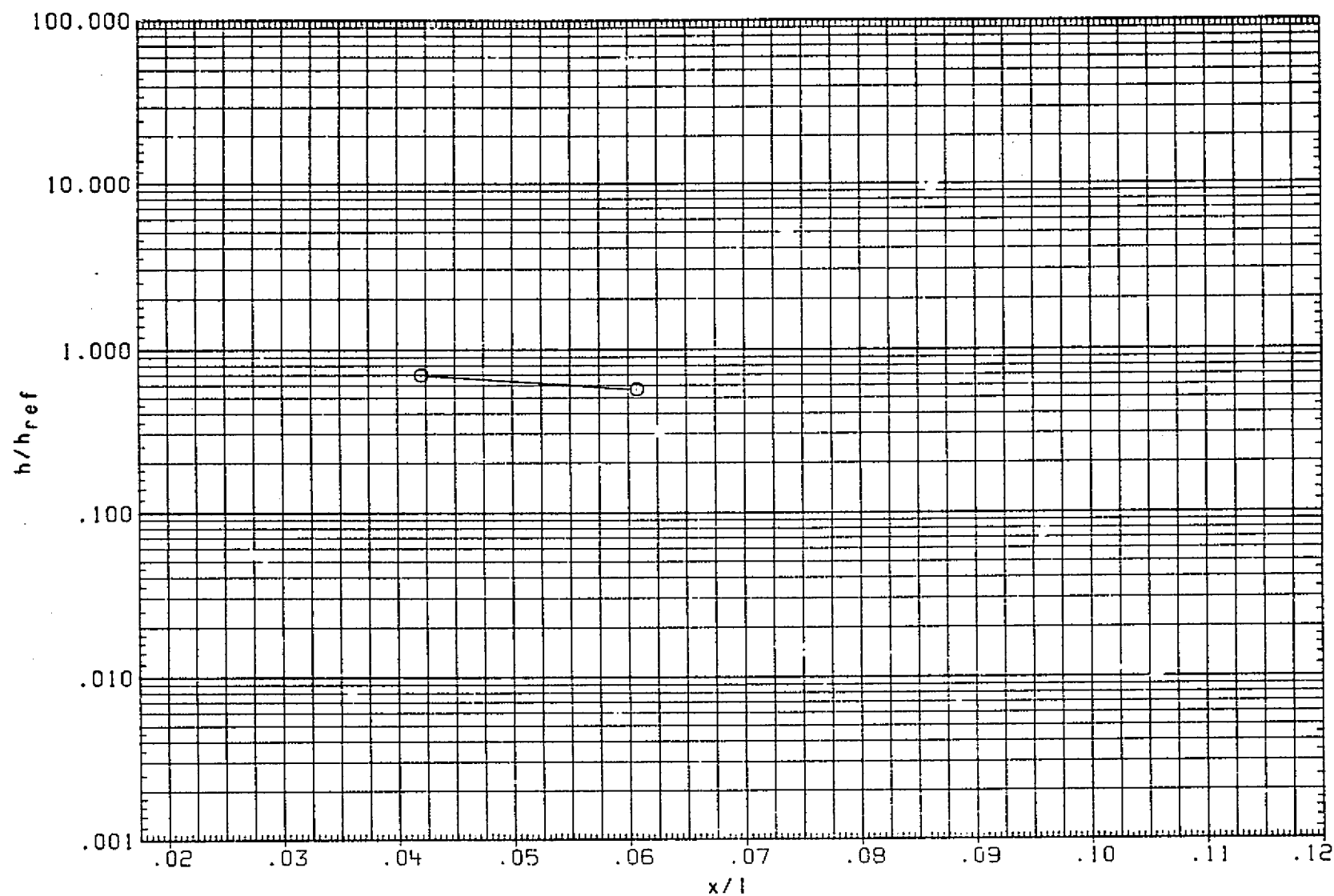


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = -.0014



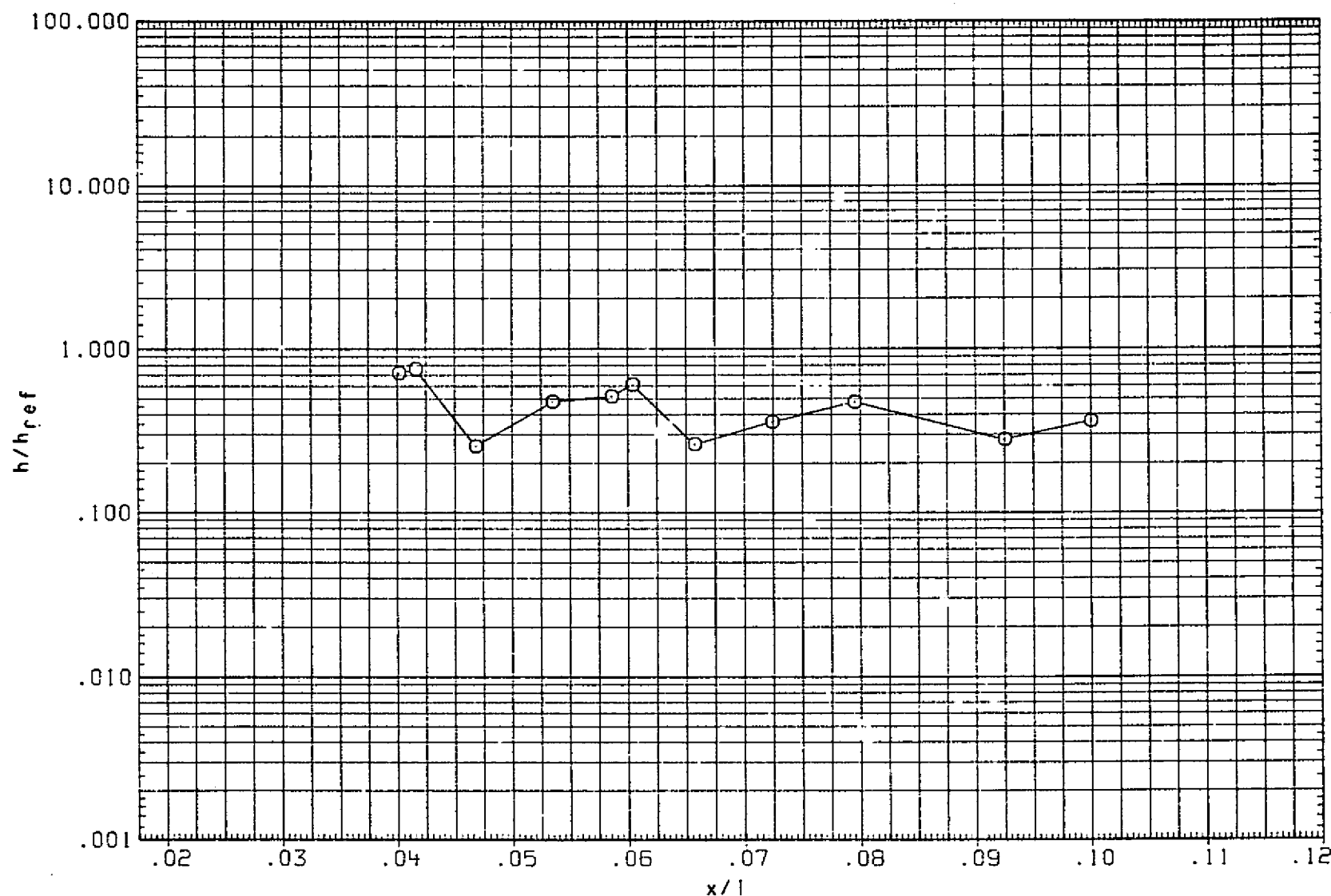


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = -.002

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

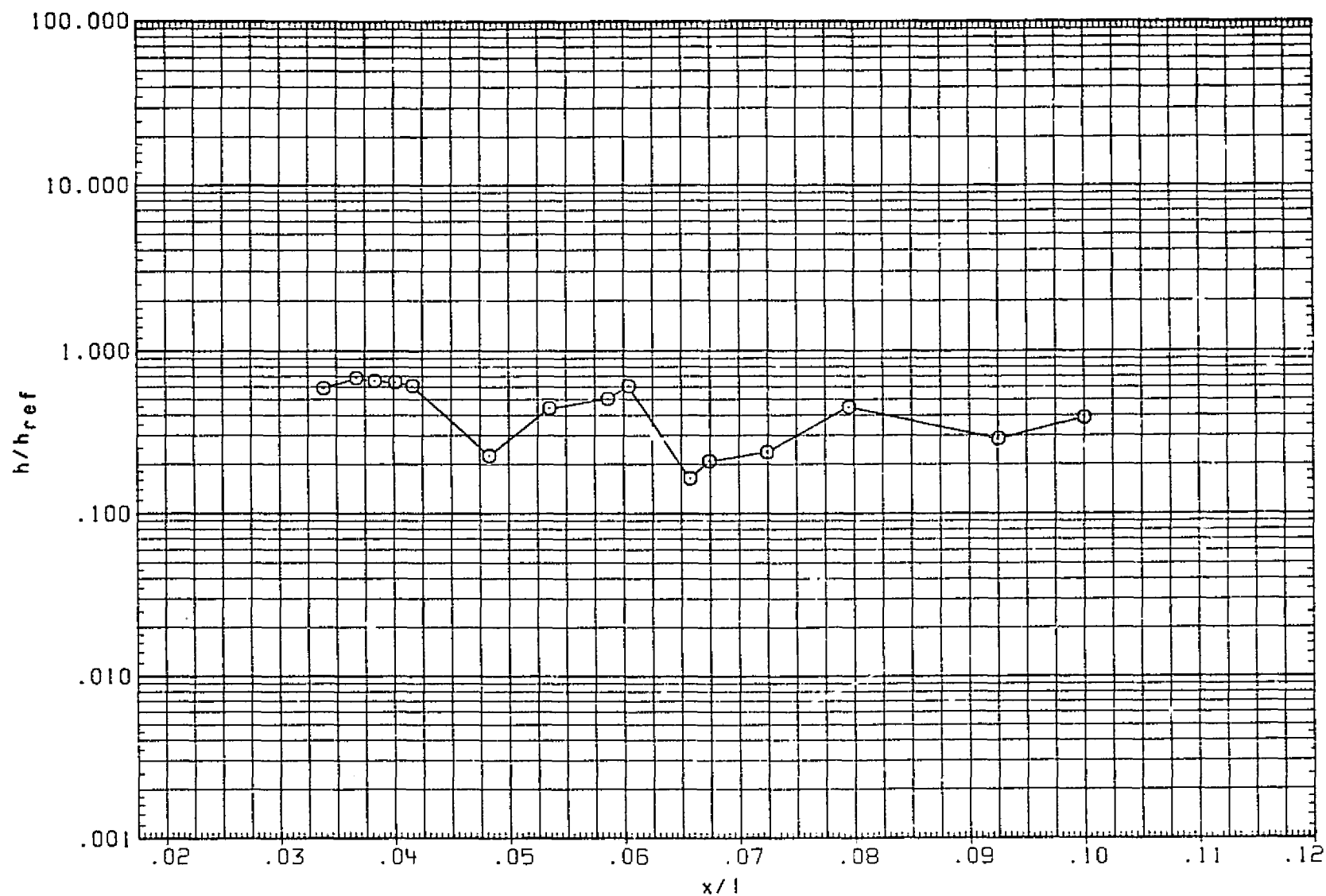


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = .001

PAGE 1431

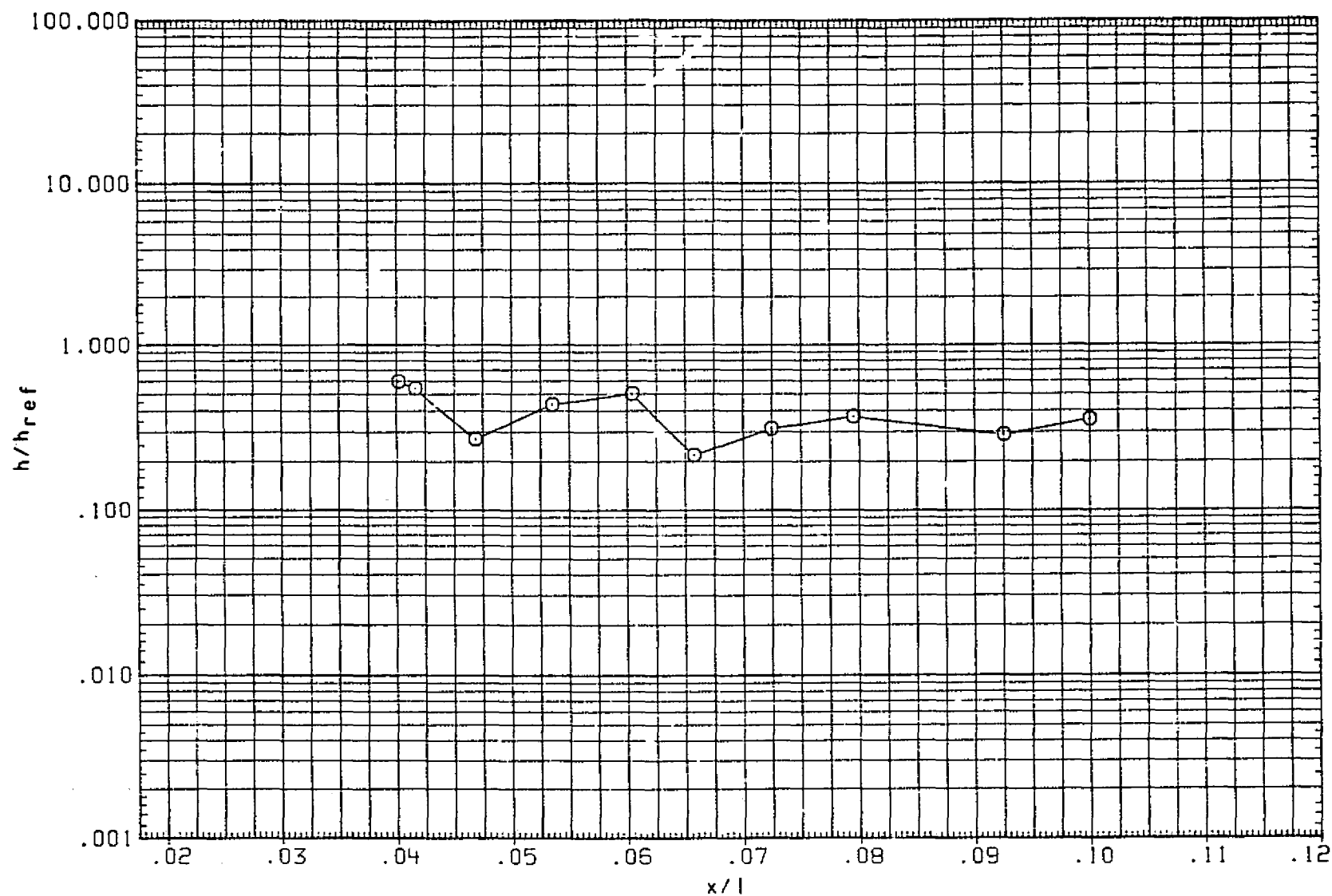


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = .004

PAGE 1432

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

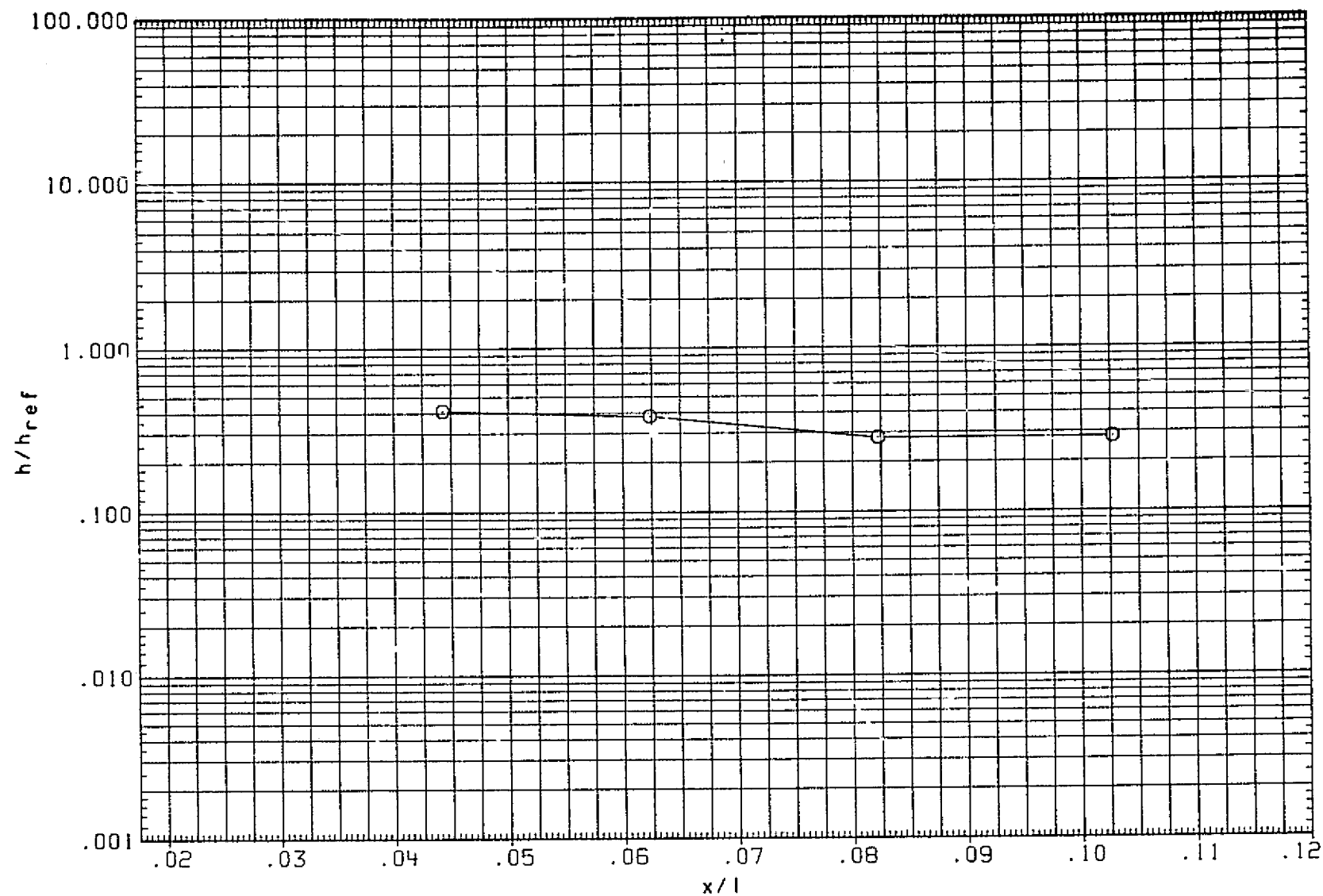


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 DY/L = .007

PAGE 1433

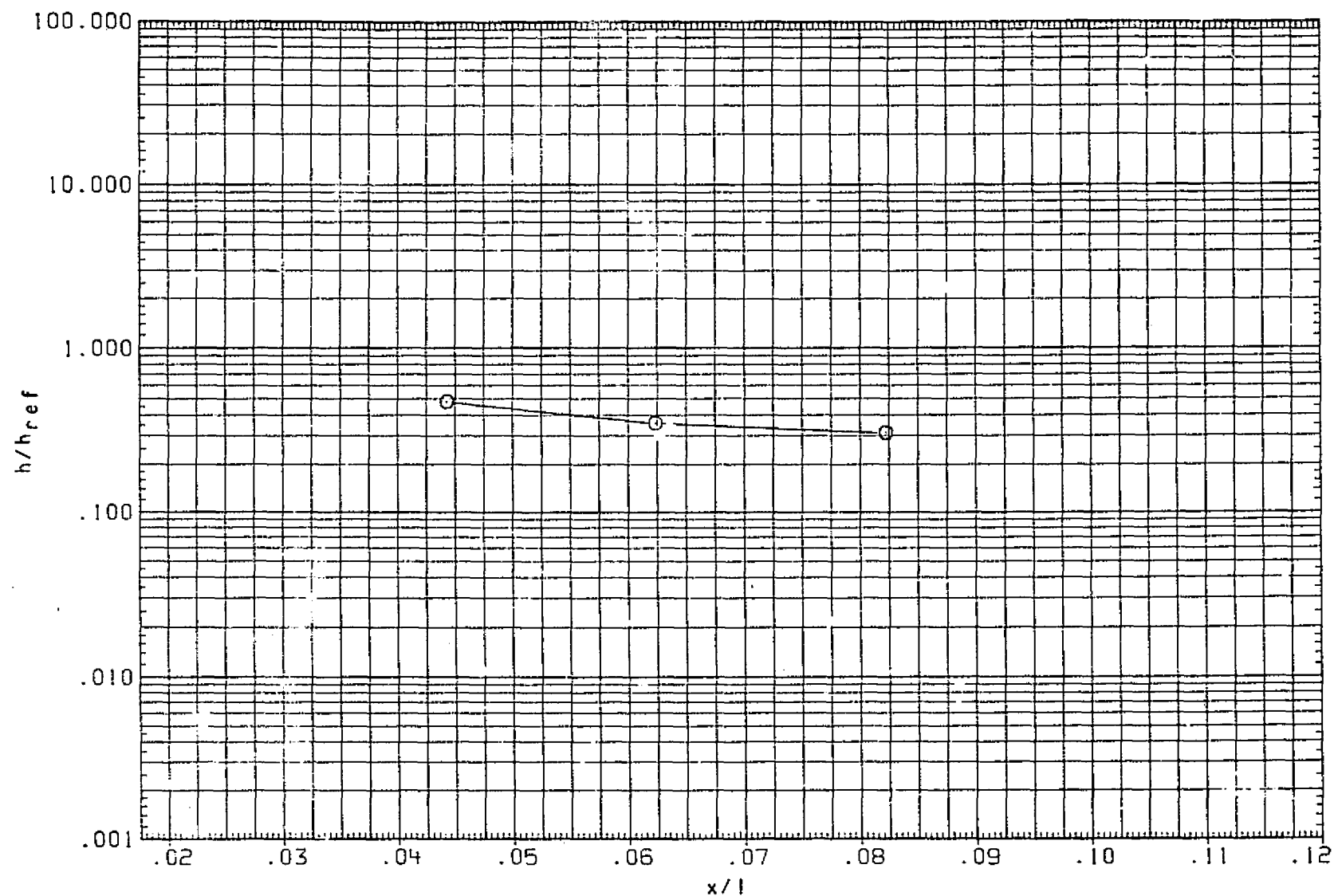


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAN/HT = .850 DY/L = .009

PAGE 1434

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

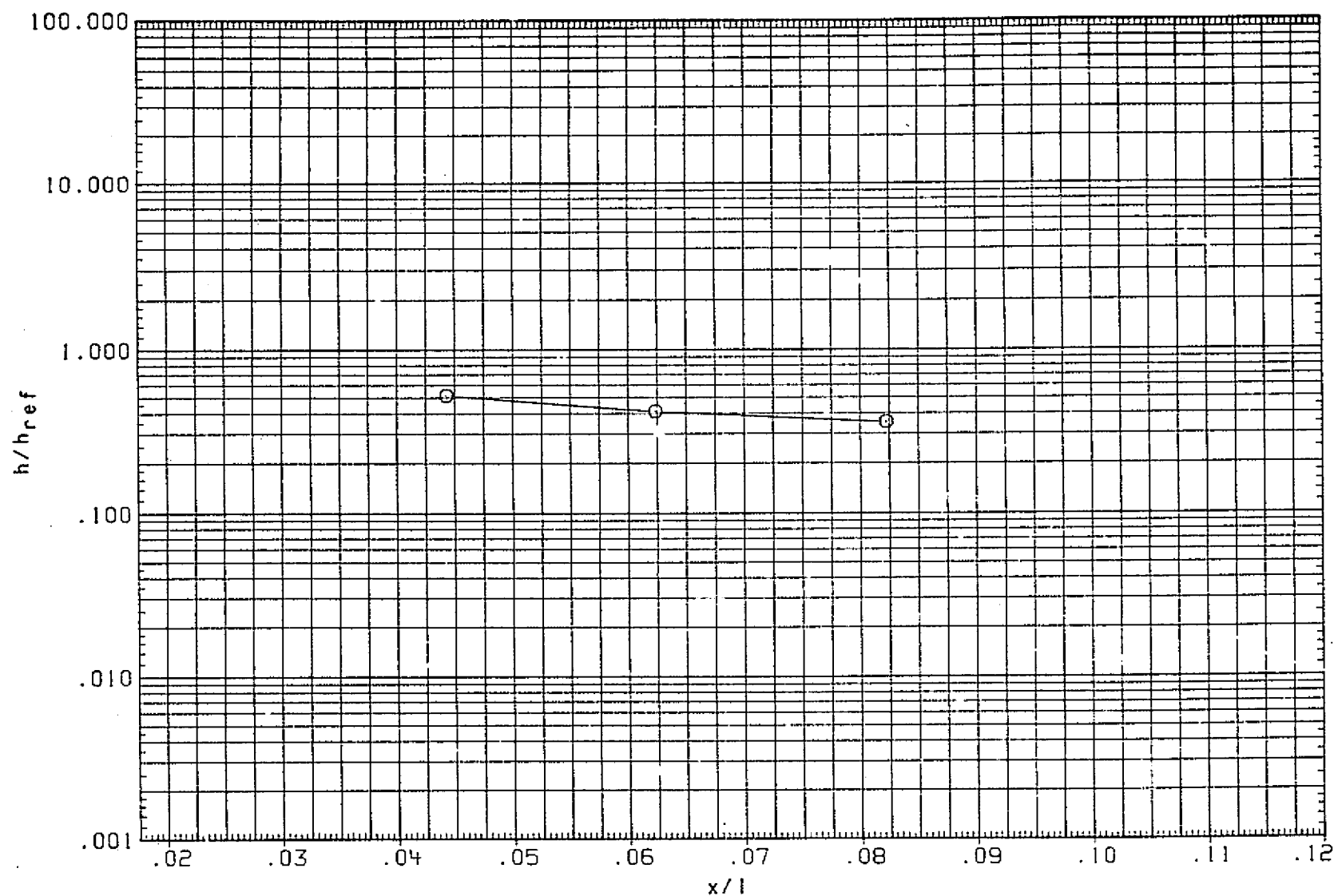


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = -.007

PAGE 1435

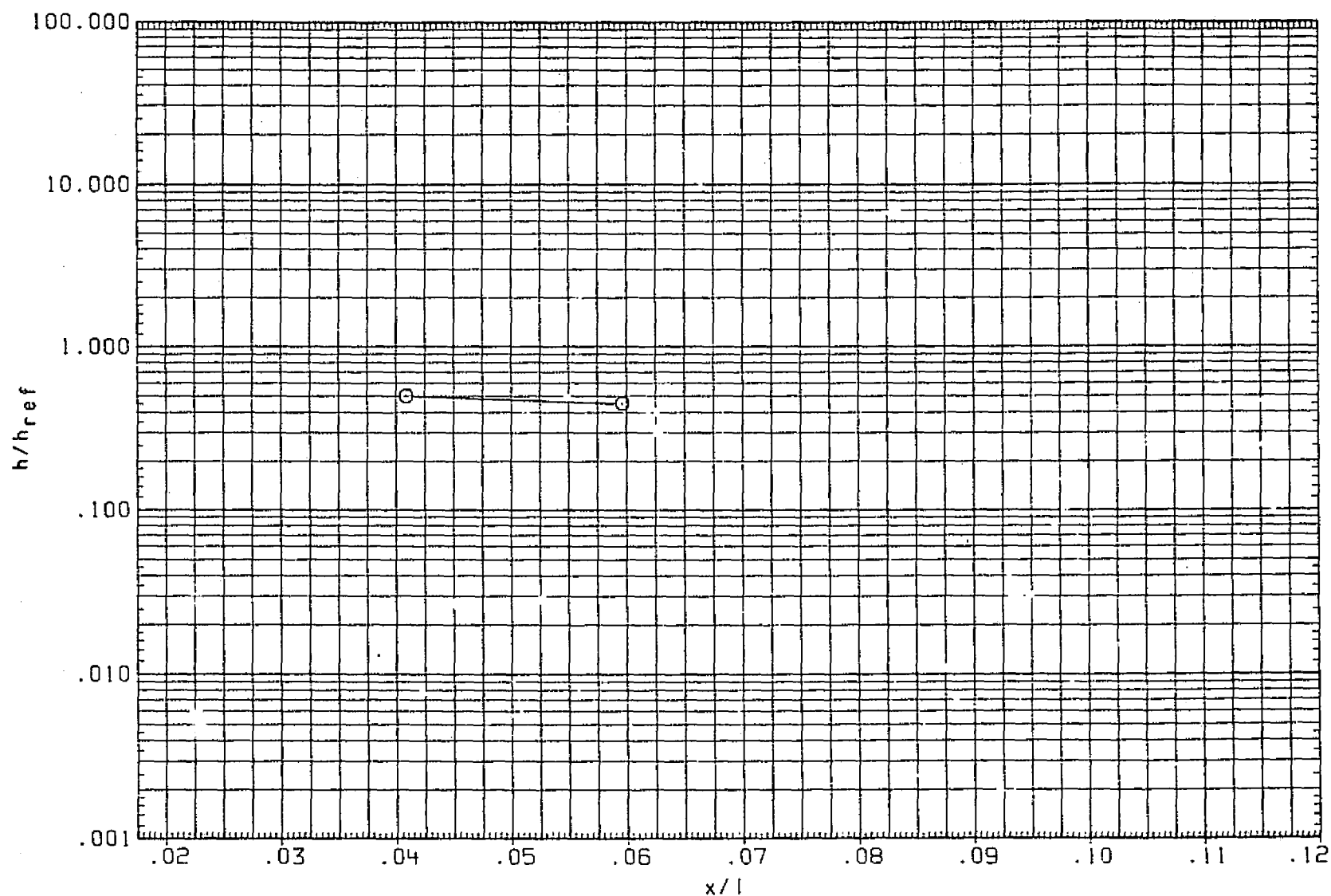


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = -.006

PAGE 1436

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNT01) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

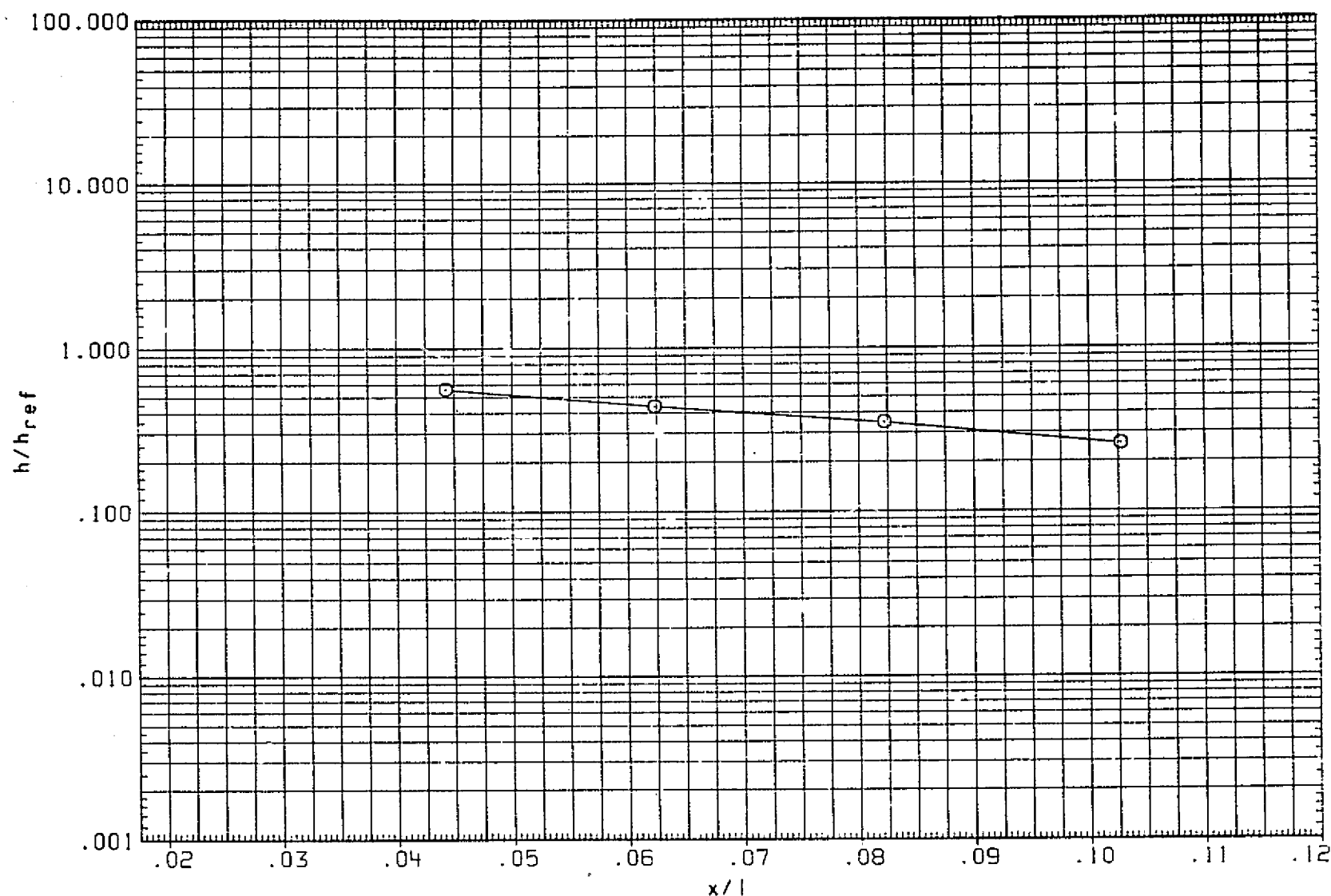


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = -.005



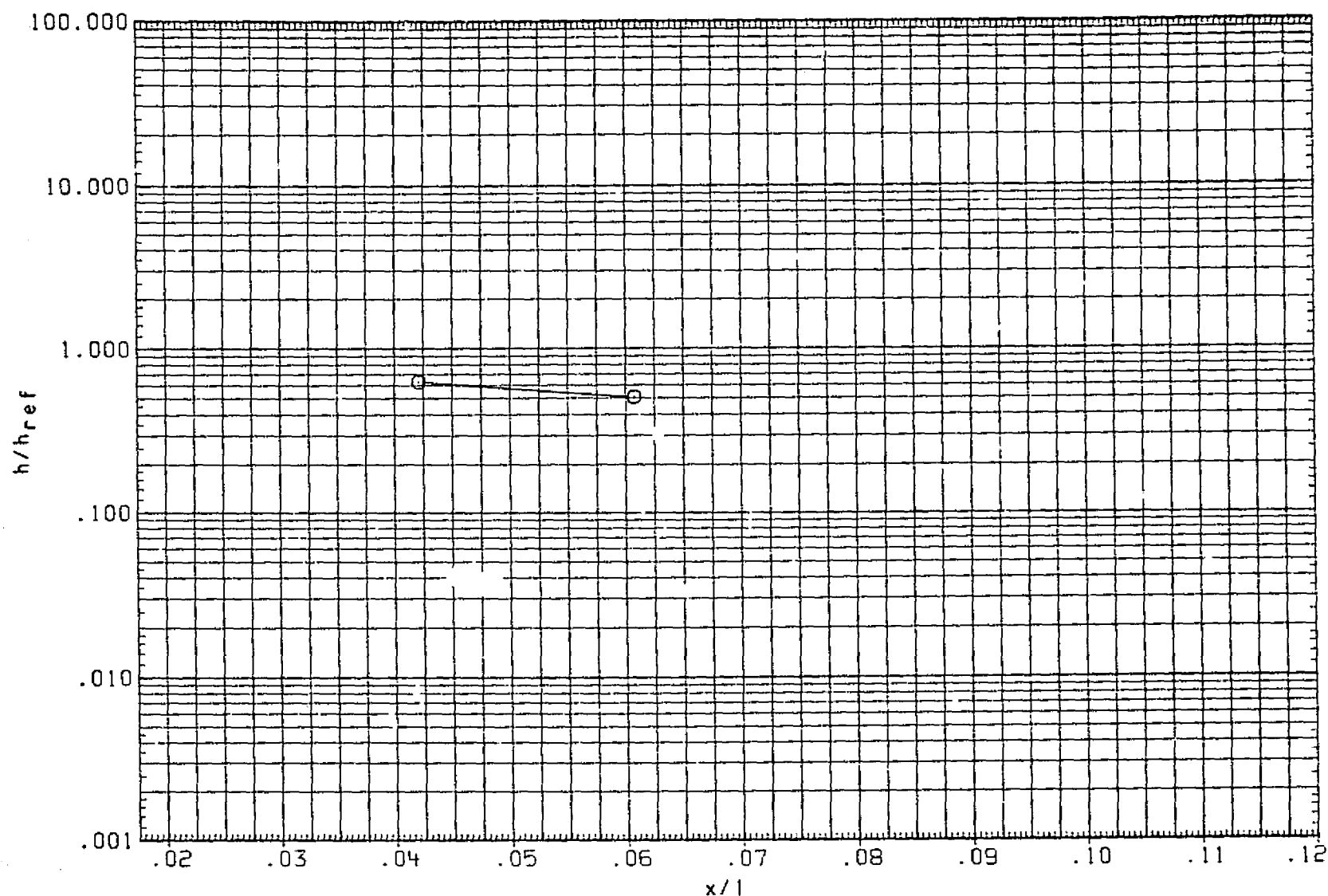


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = -.004

DATA SET SYMBOL    CONFIGURATION DESCRIPTION  
 (RNTPO1)    ○    ARC3.5-2(5(FH(4)PROTUB AREA (PROTUB ON)

ALPHA    BETA    RN/L  
 .000    .000    1.500

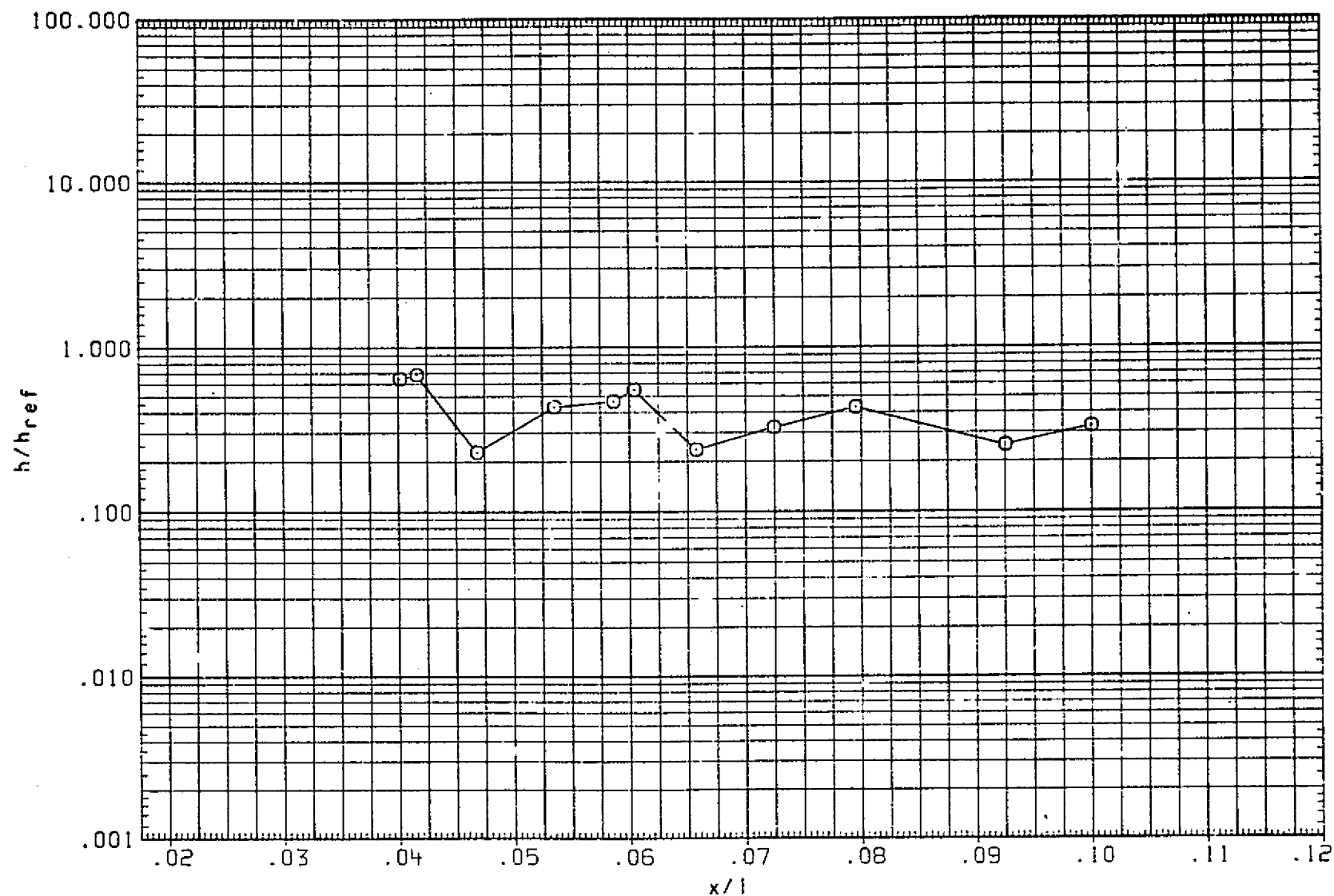


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200    HAW/HT = .900    DY/L = -.002

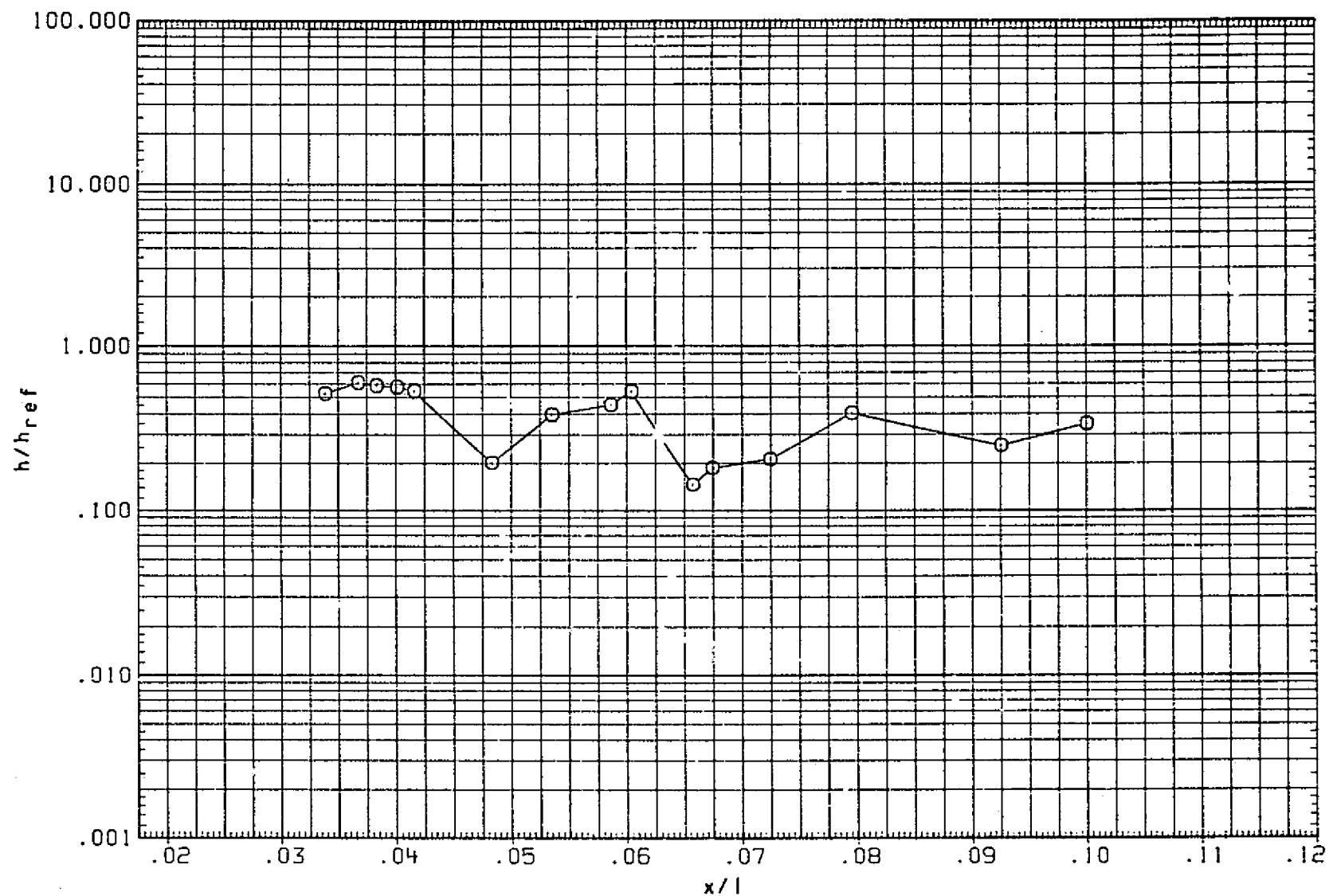


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = .001

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTP01) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

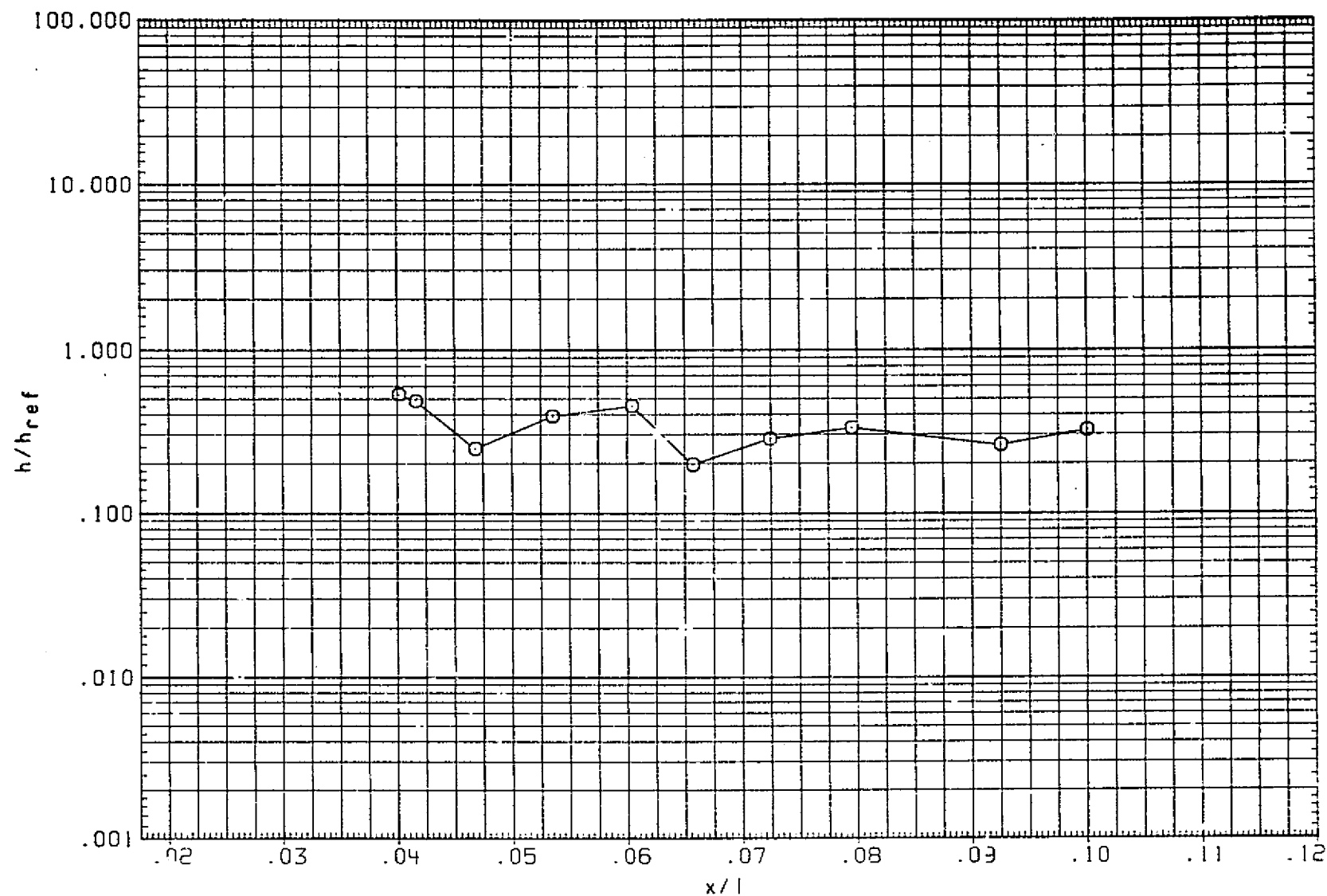


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = .004

PAGE 1441

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
.000 .000 1.500

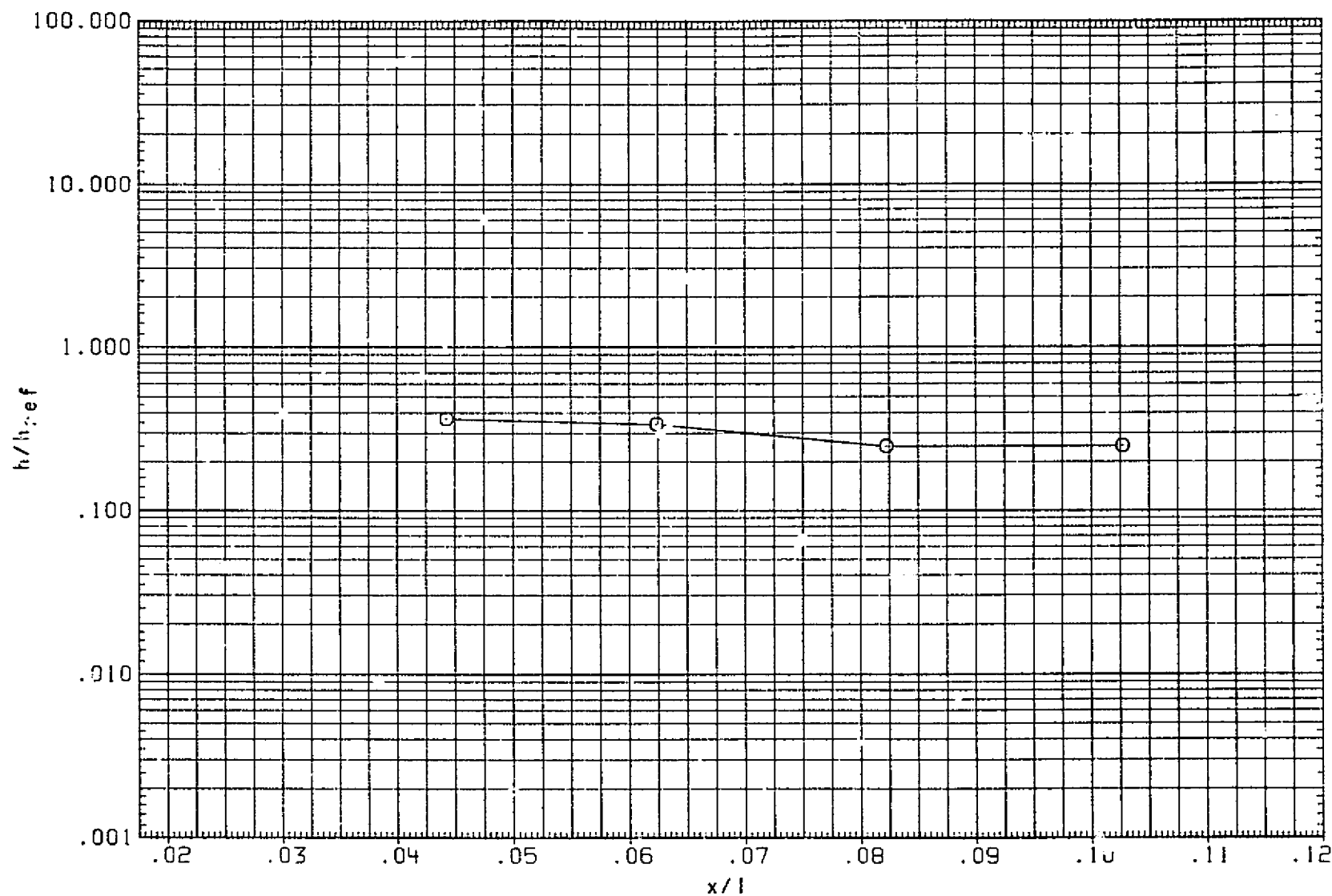


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = .007

PAGE 1442

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

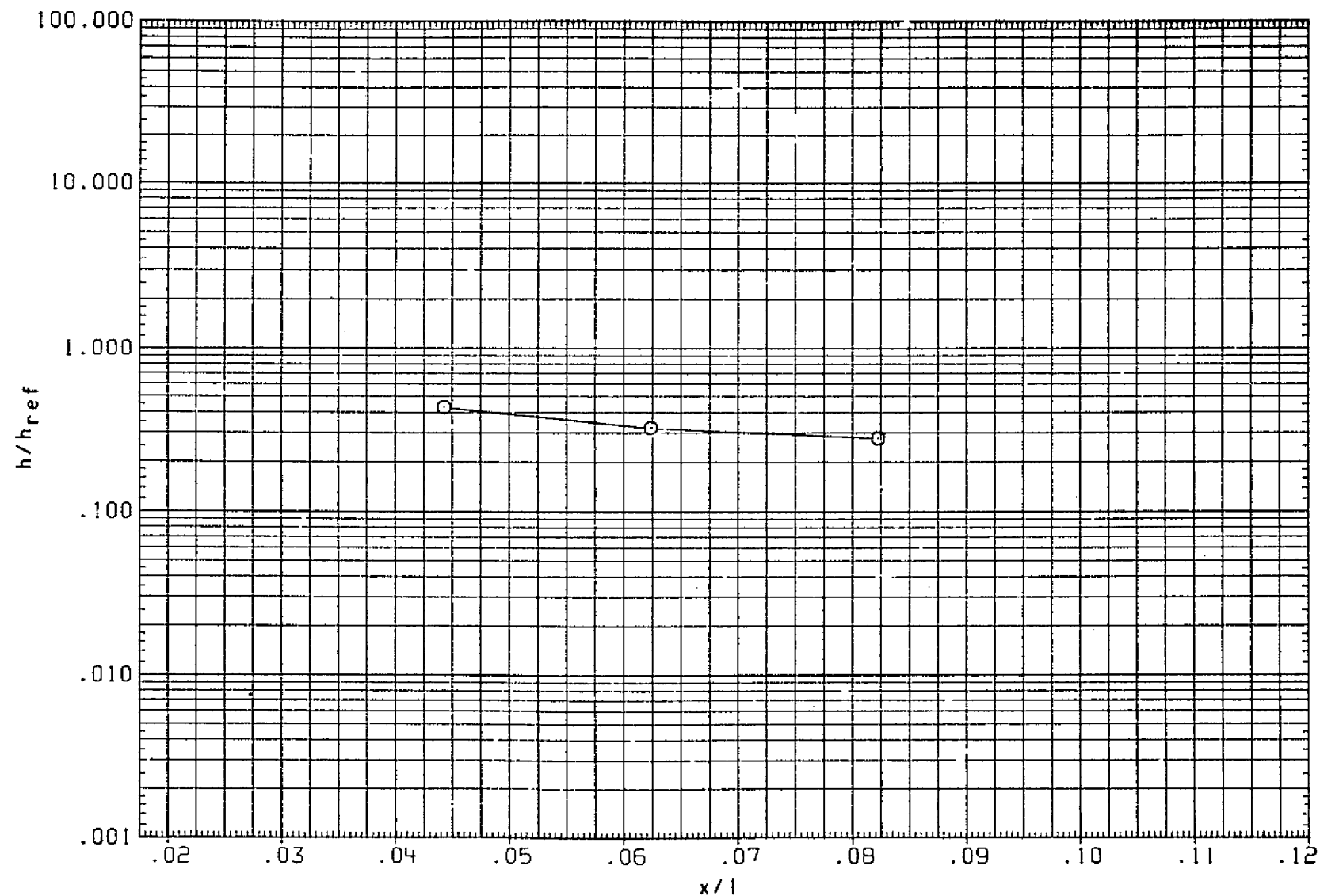


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 DY/L = .009

PAGE 1443

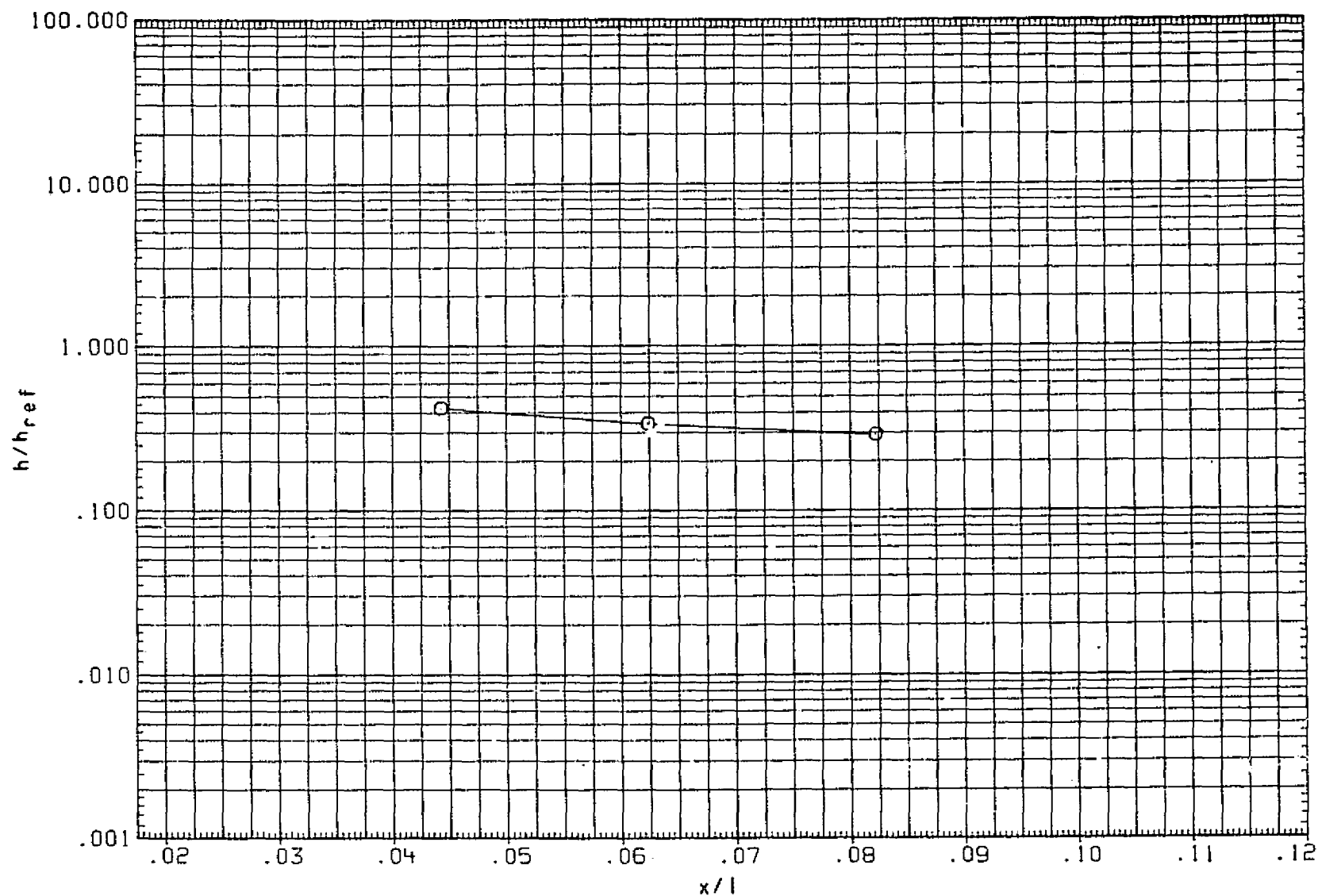


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = -.007

PAGE 1444

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

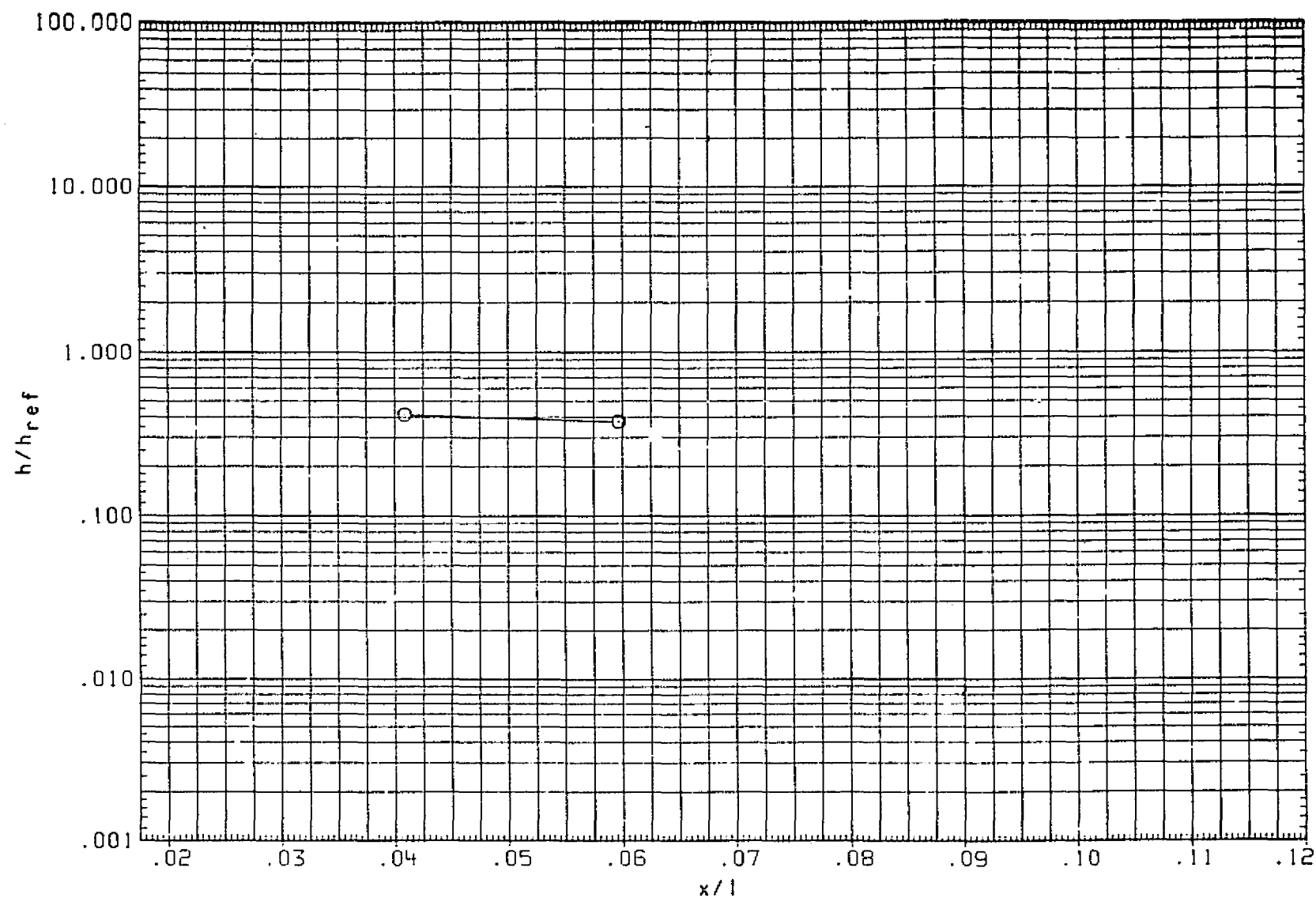


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = -.006

PAGE 1445



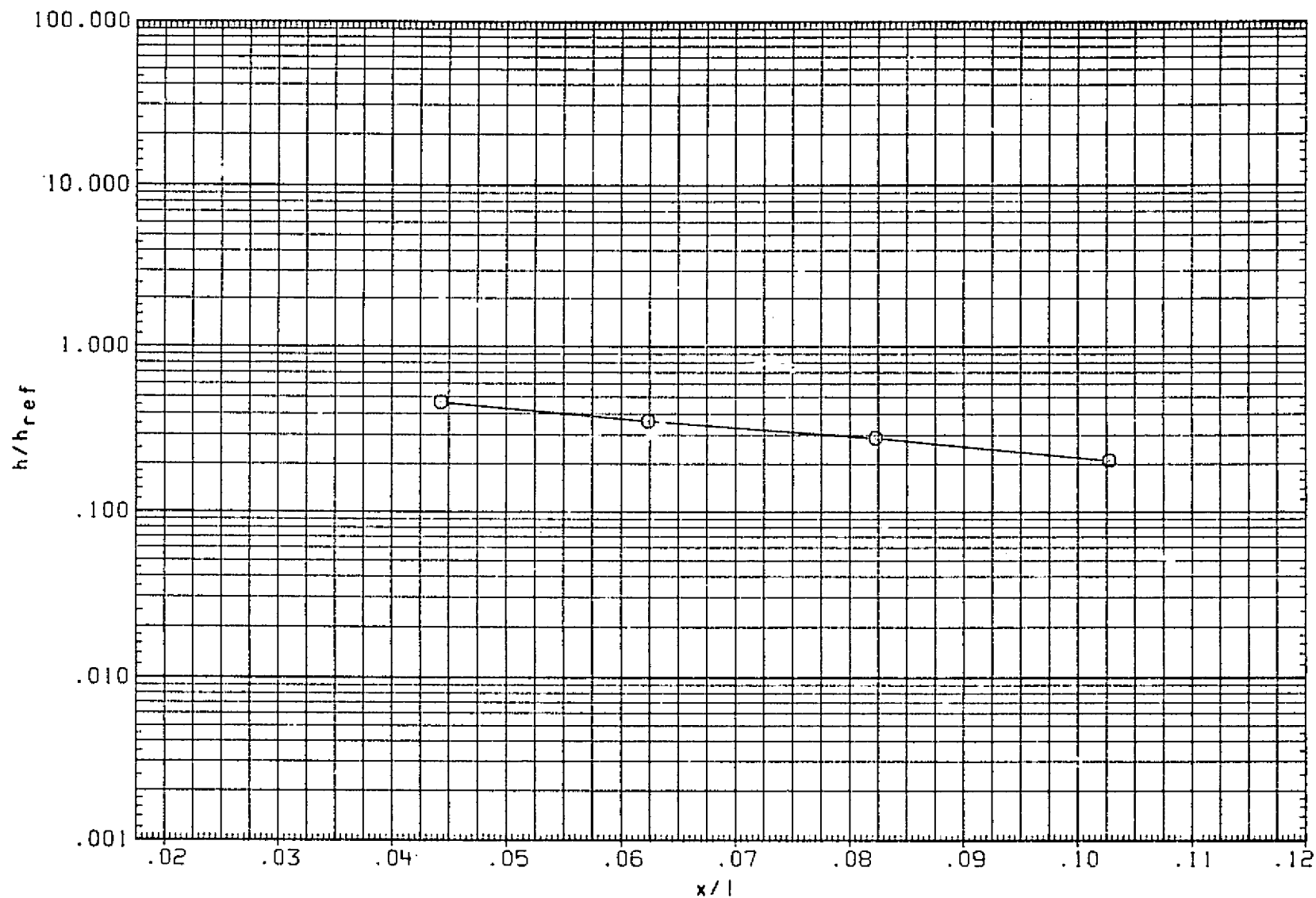


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = -0.005

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTP01) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .030 1.500

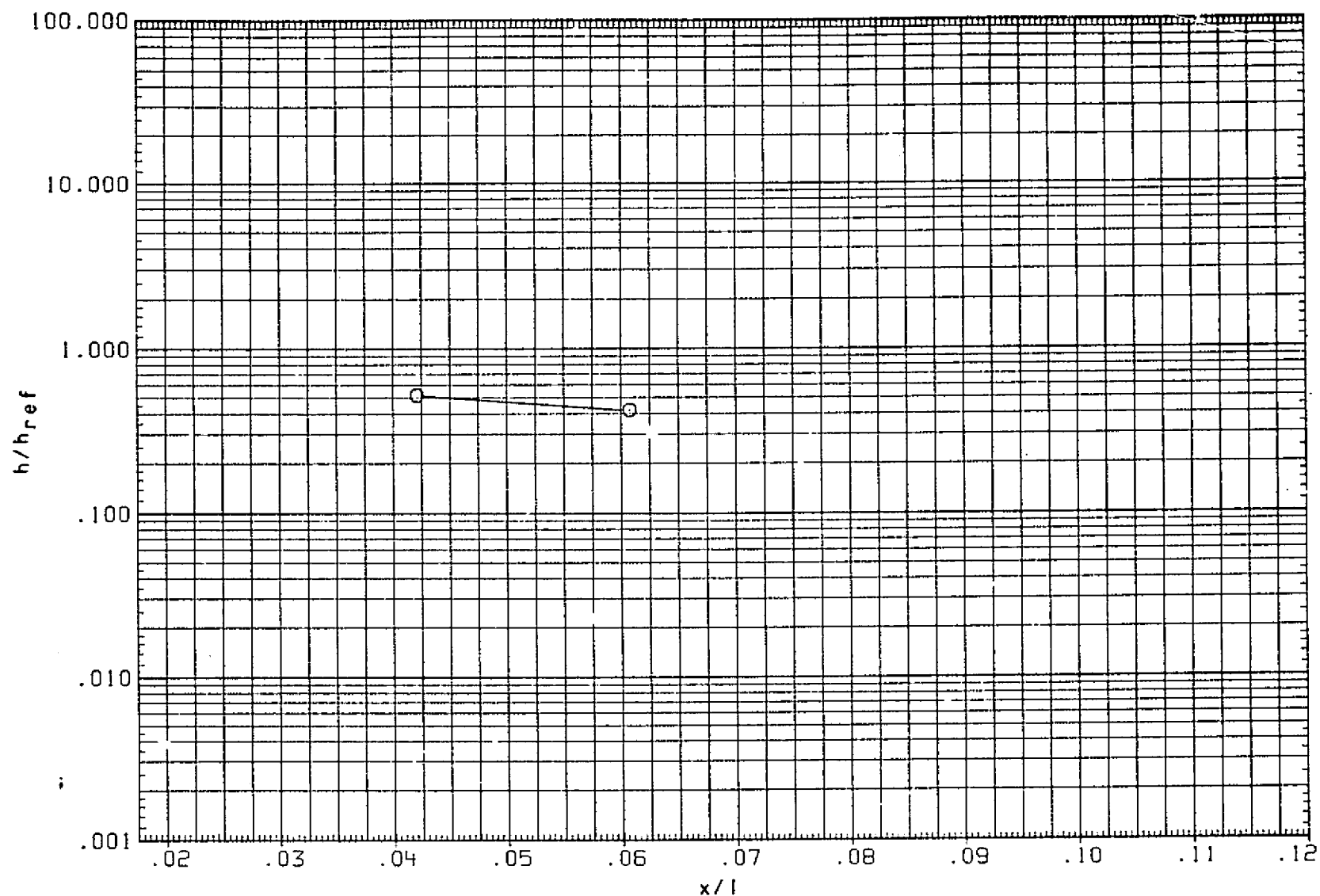


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = -.004

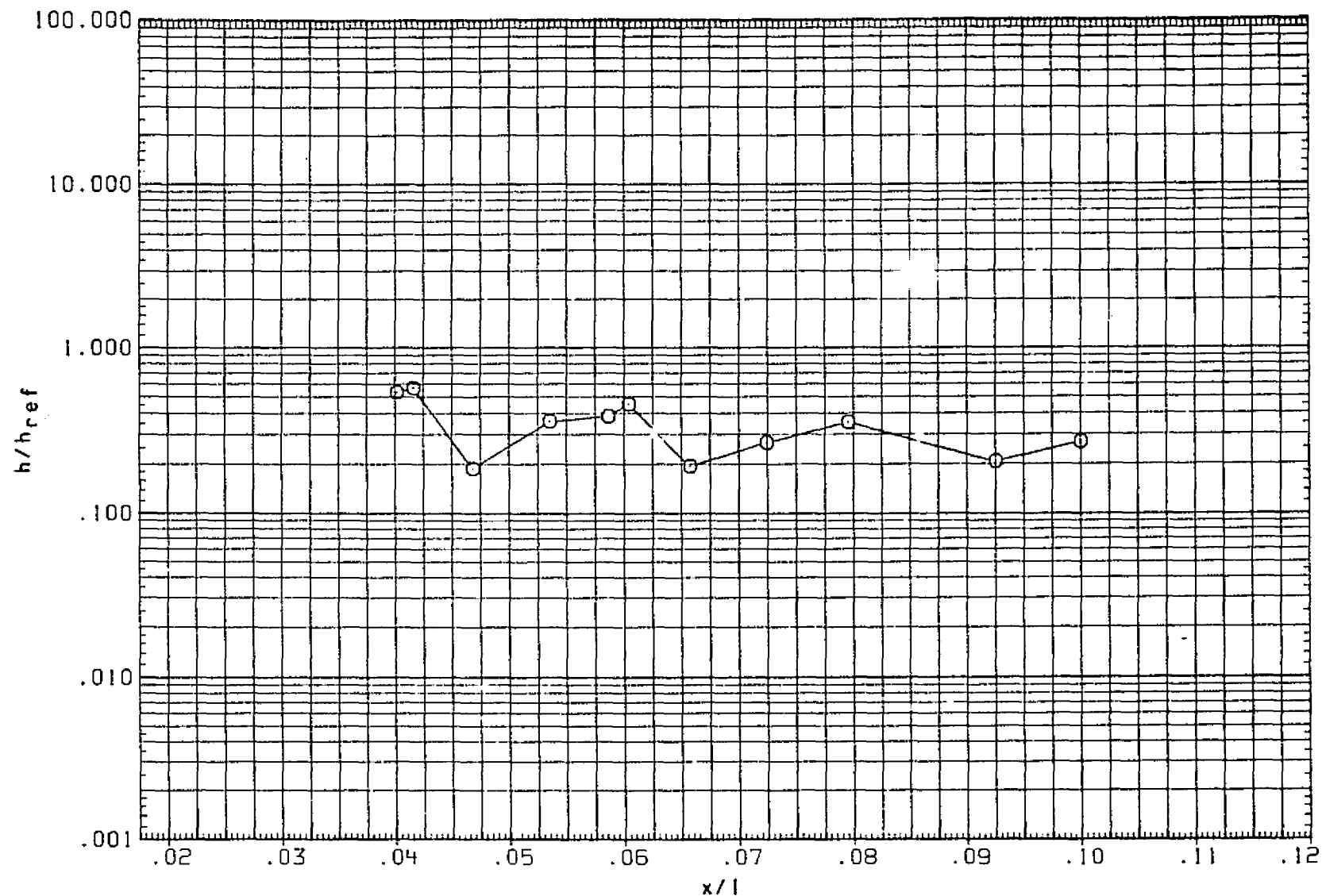


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = -.002

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

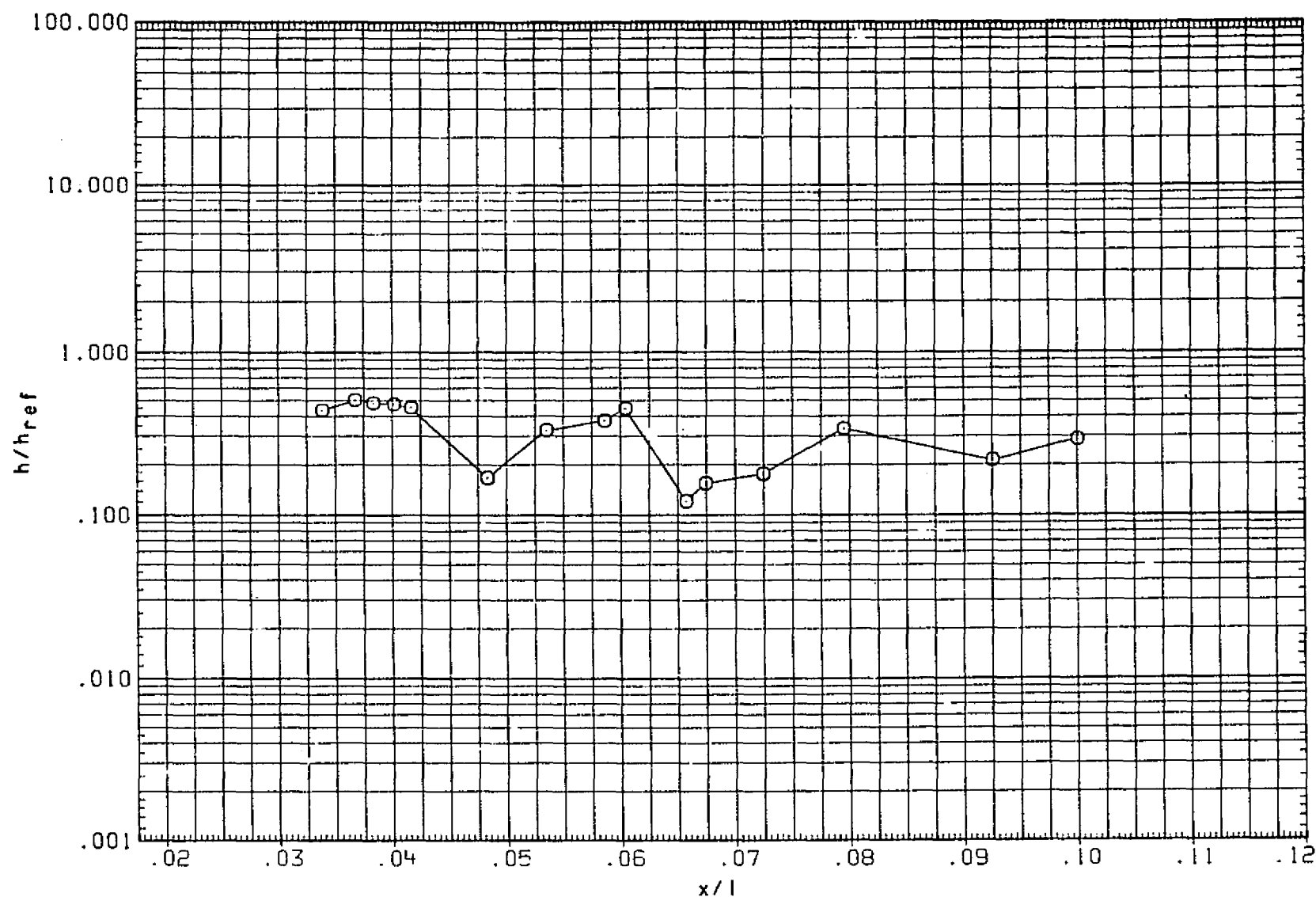


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = .001

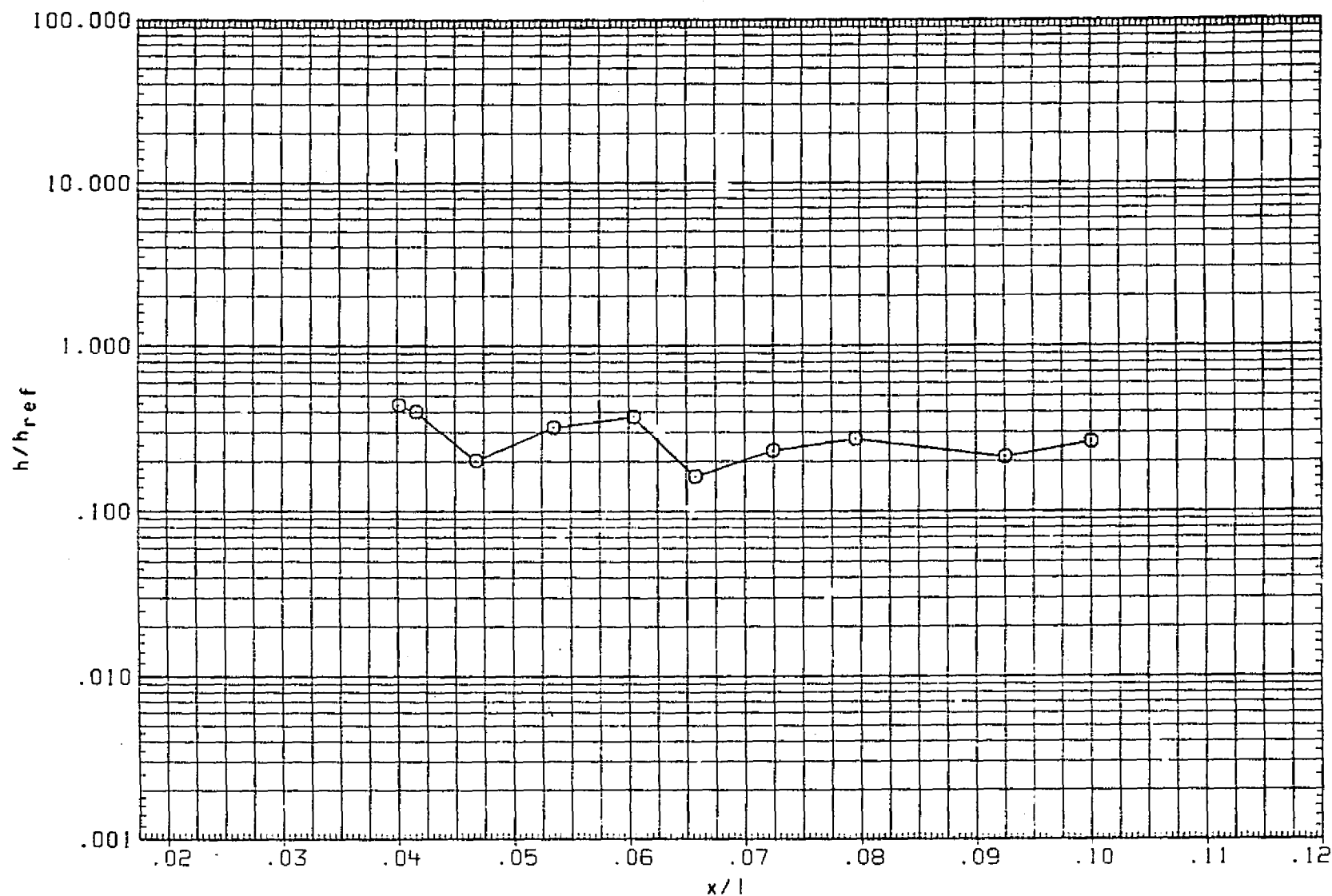


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = .004

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

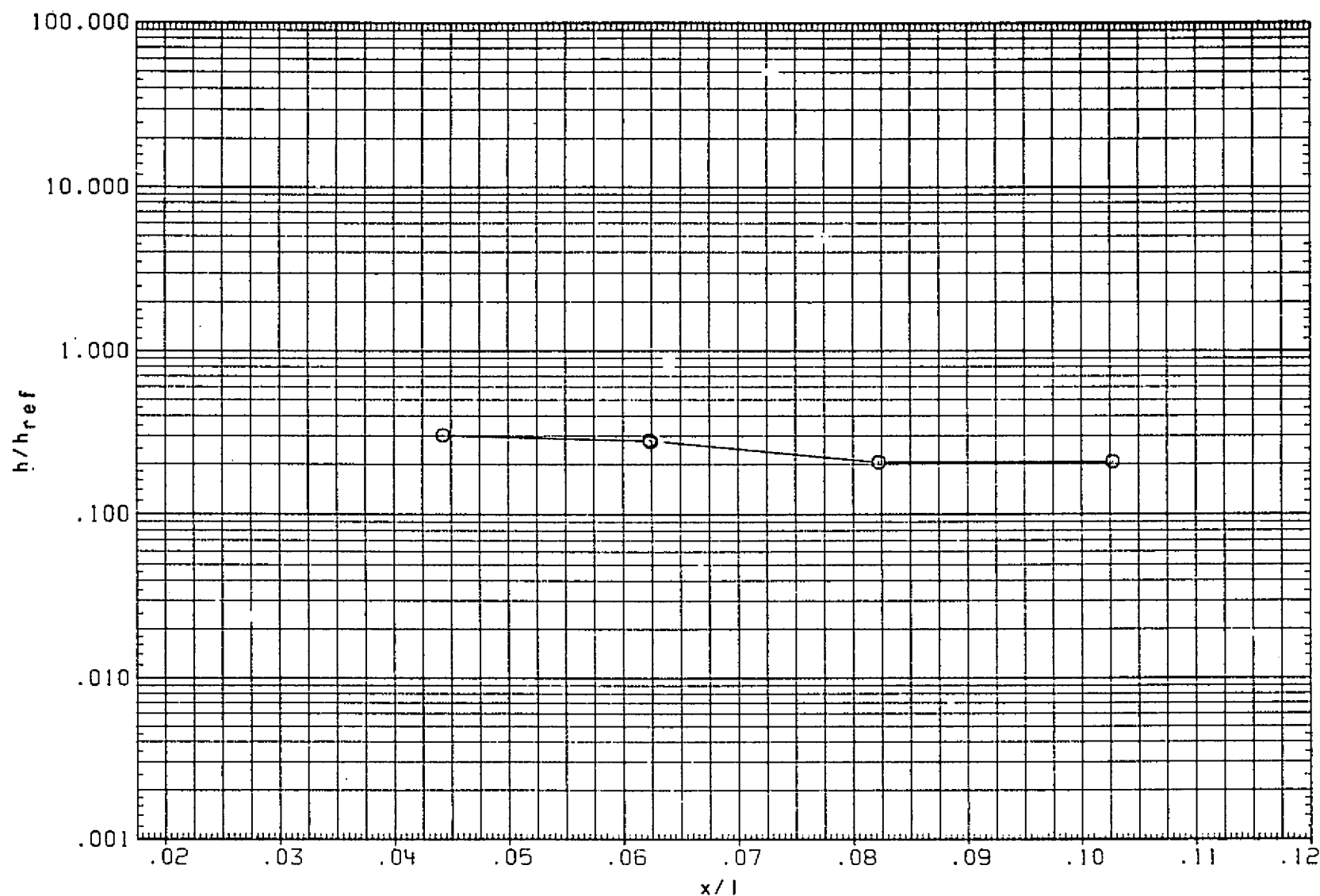


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAN/HT = 1.000 DY/L = .007

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPO1) O ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA BETA RN/L  
 .000 .000 1.500

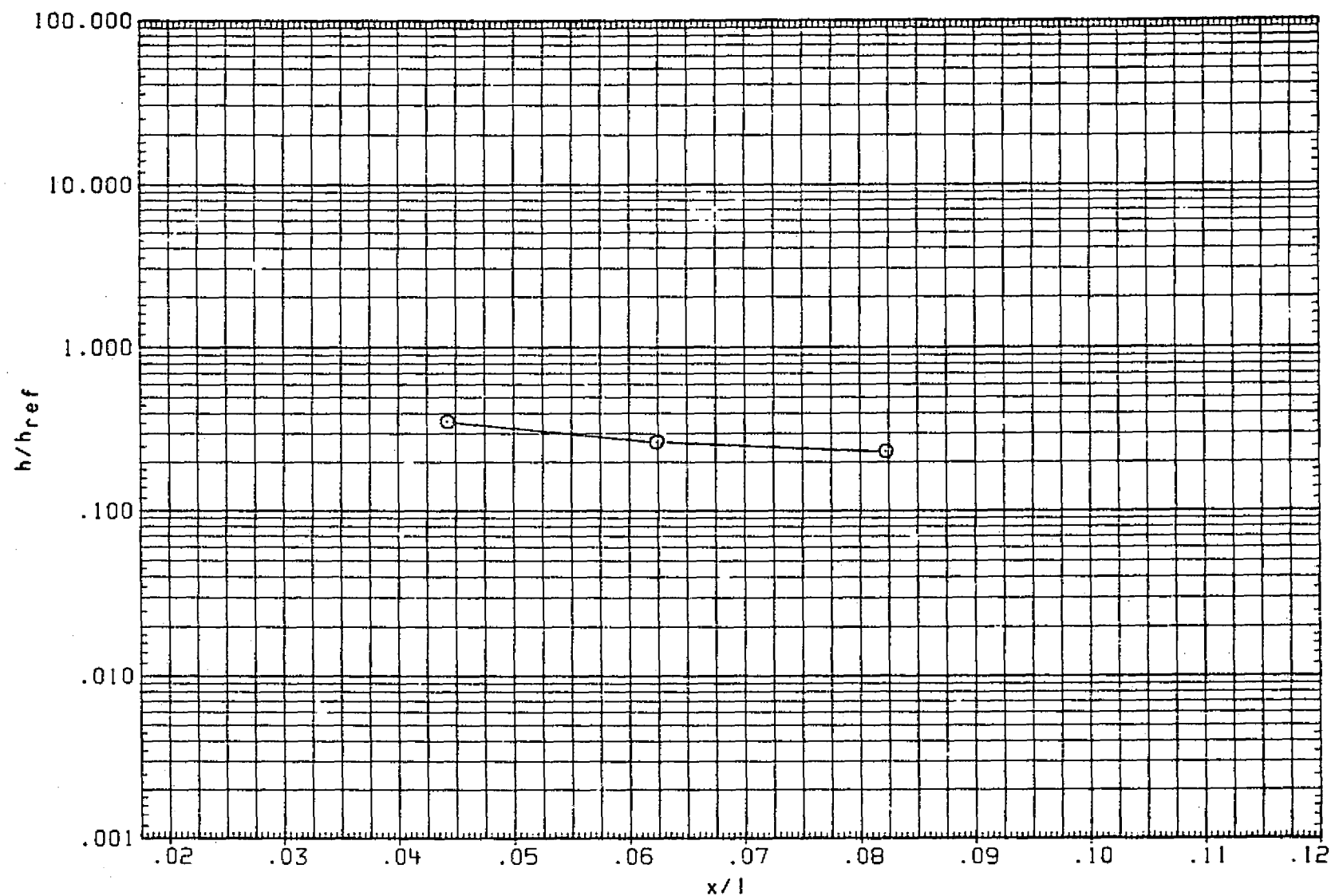


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 DY/L = .009

PAGE 1452

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RNTPO3)  $\circ$  ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)  
 (RNTPO5)  $\square$  ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	Re/L
.000	.000	3.000
.000	.000	5.000

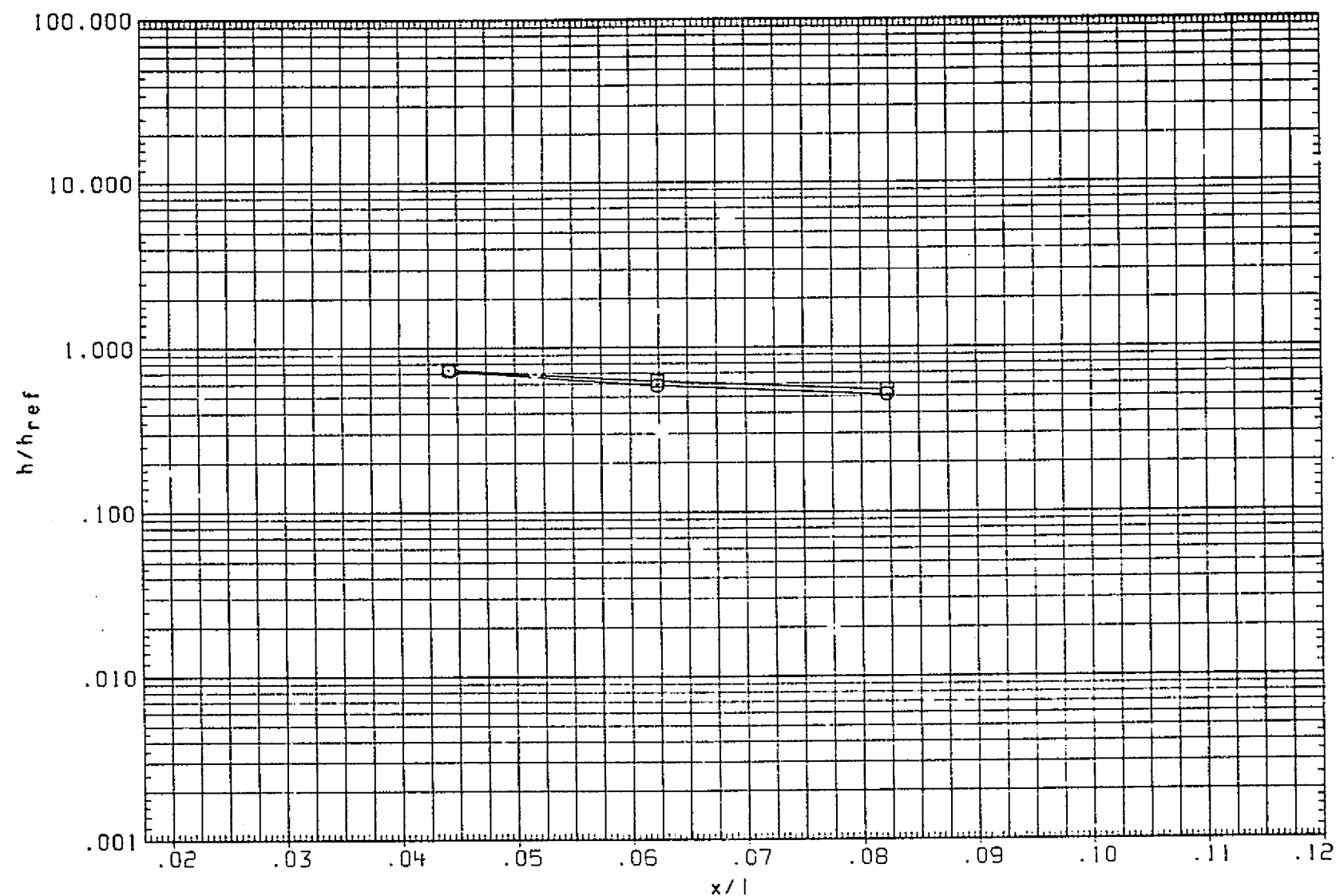


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = .007

PAGE 1453



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

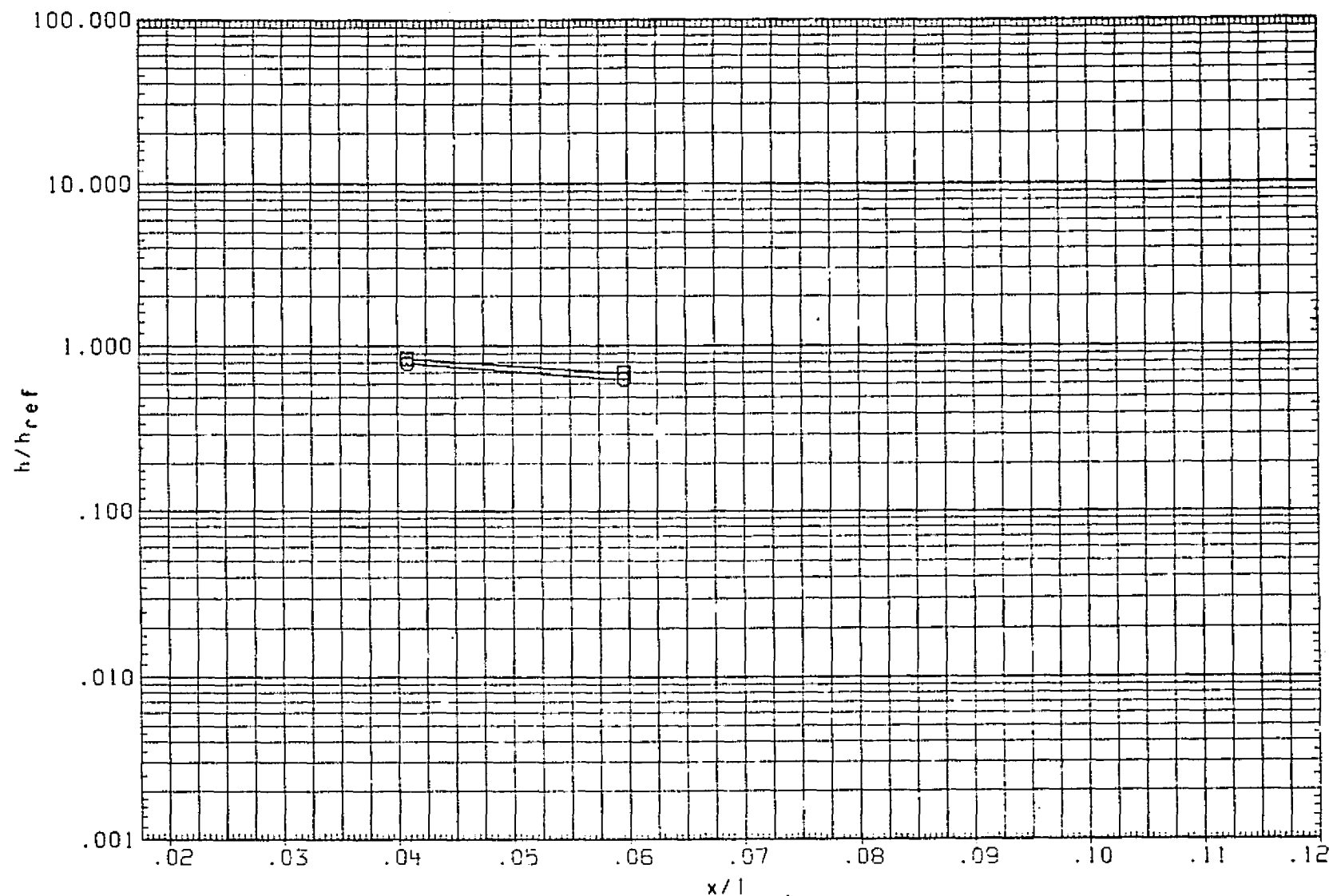


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = -.006

PAGE 1454

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	PN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

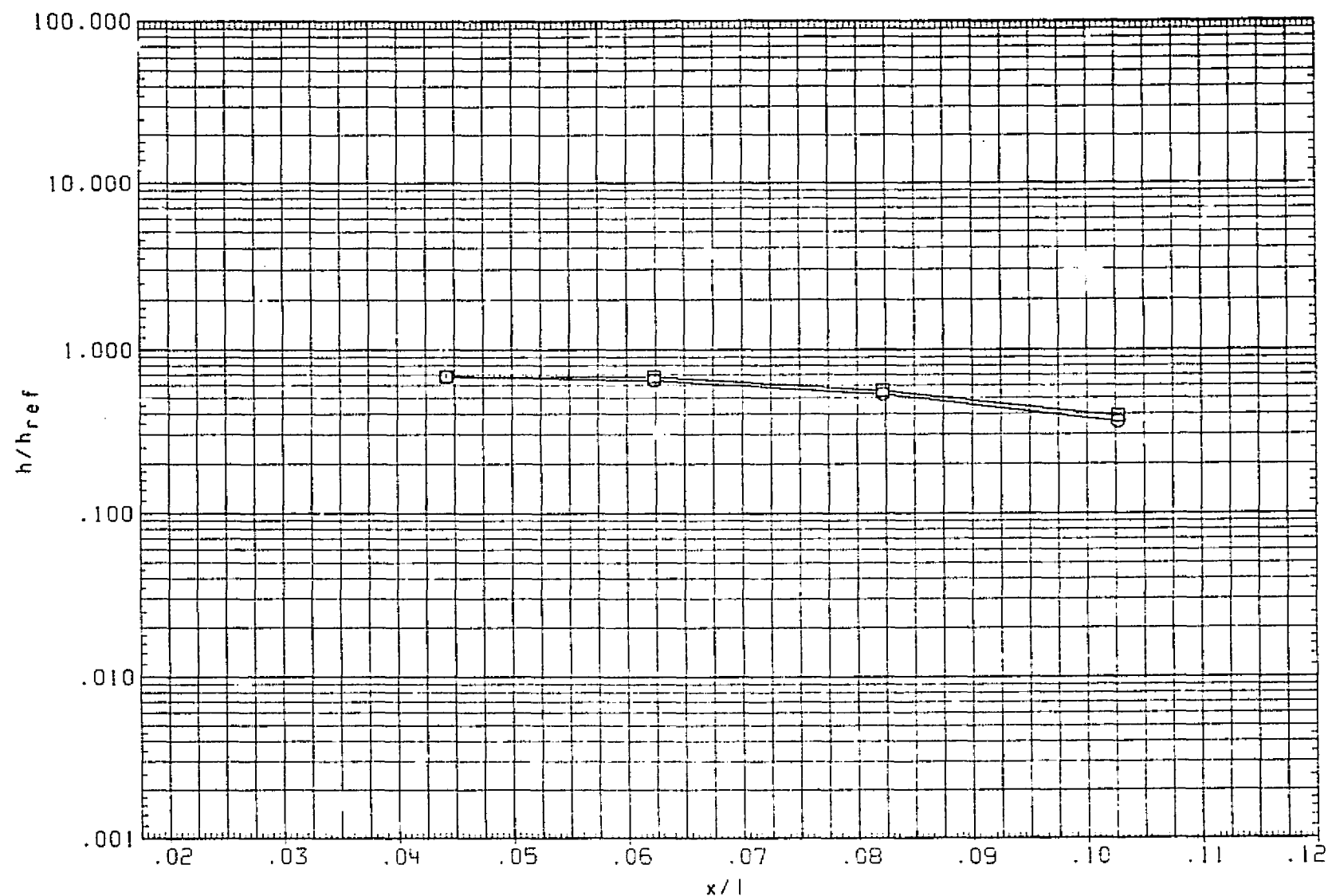


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = -.005

PAGE 1455

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNT03)	○	ARC3.5-215(FH)4)PROTUB AREA (PROTUB ON)
(RNT05)	□	ARC3.5-215(FH)4)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

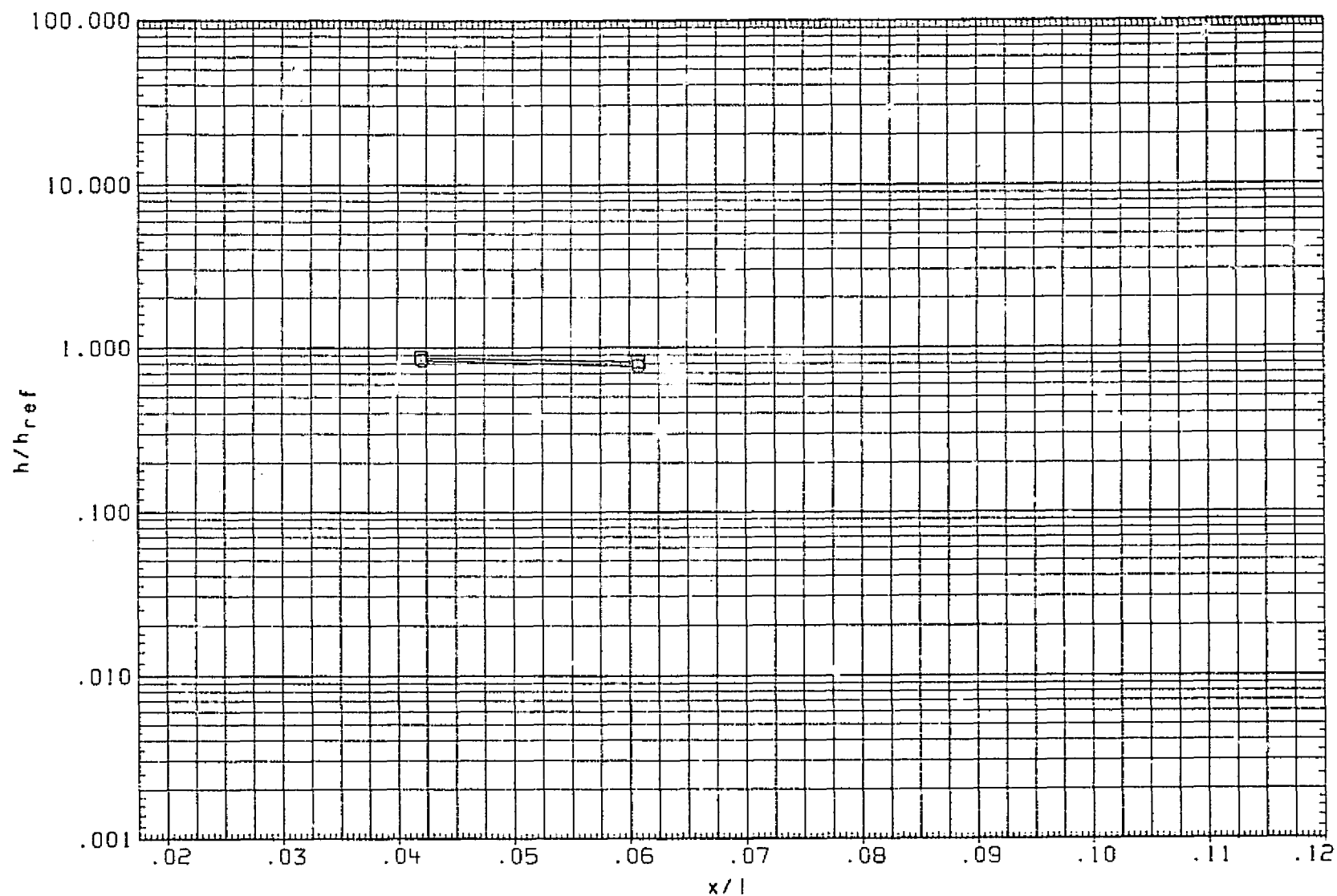


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = -.004

PAGE 1456

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

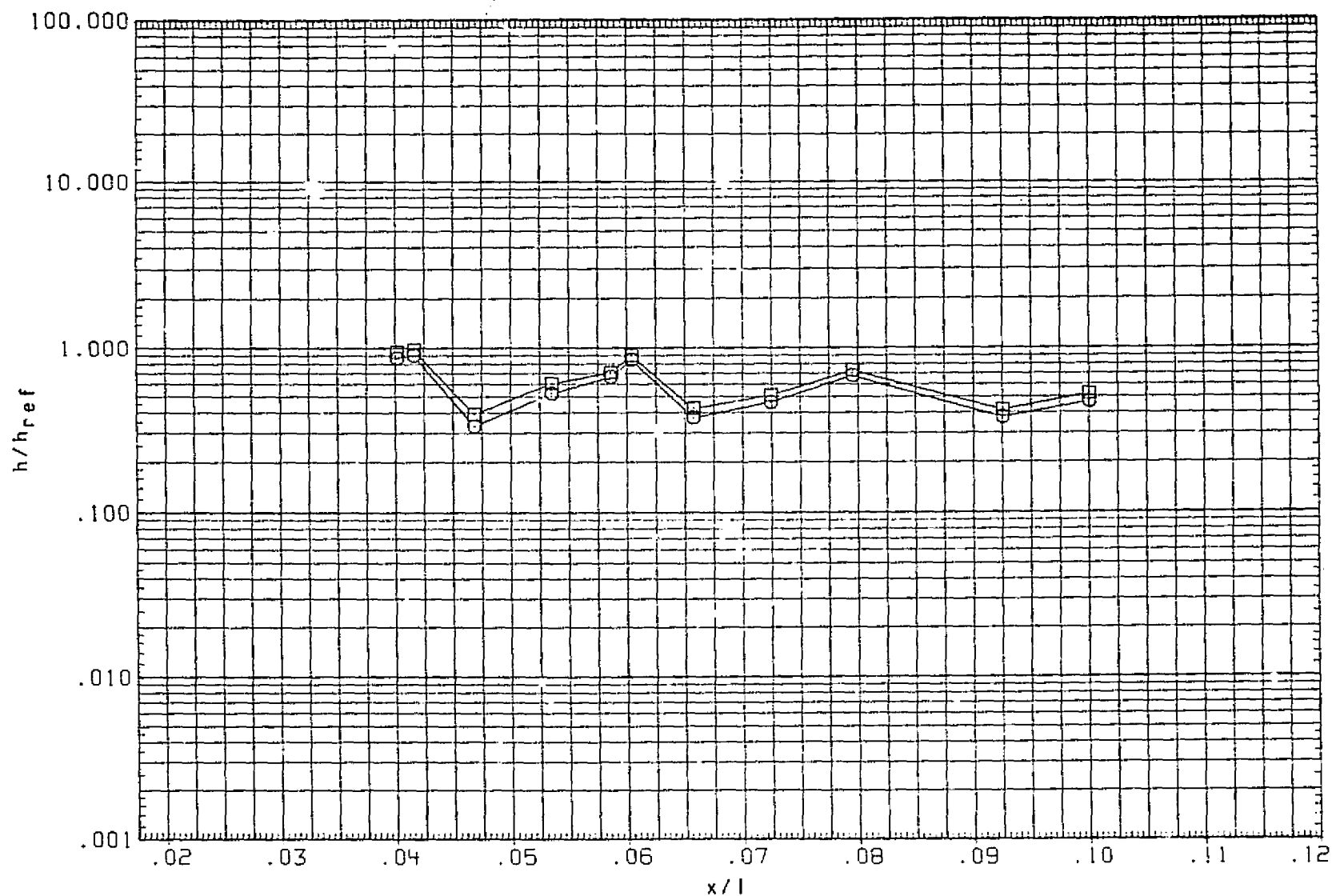


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = -.002

PAGE 1457

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

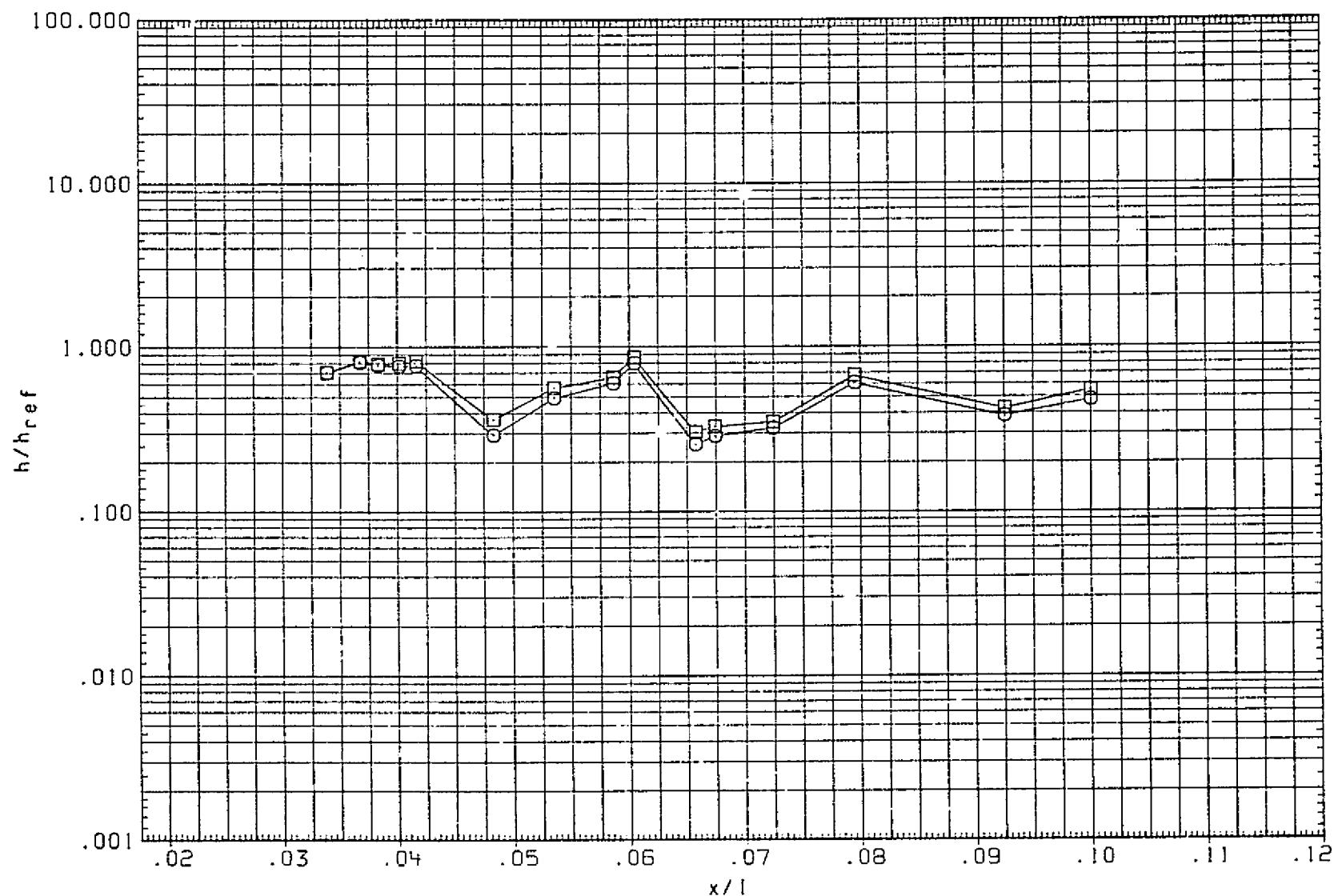


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = .001

PAGE 1458

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

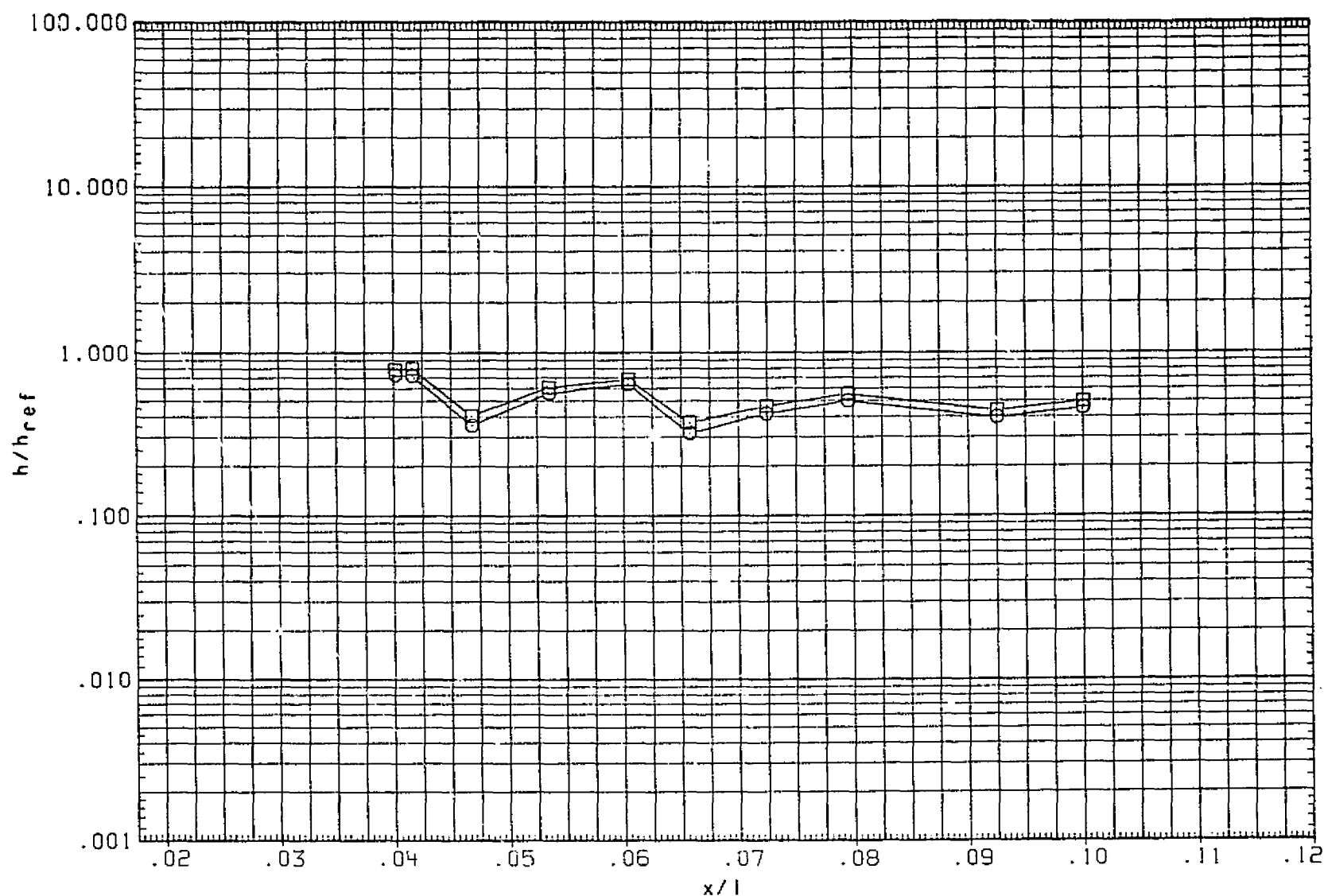


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = .004

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

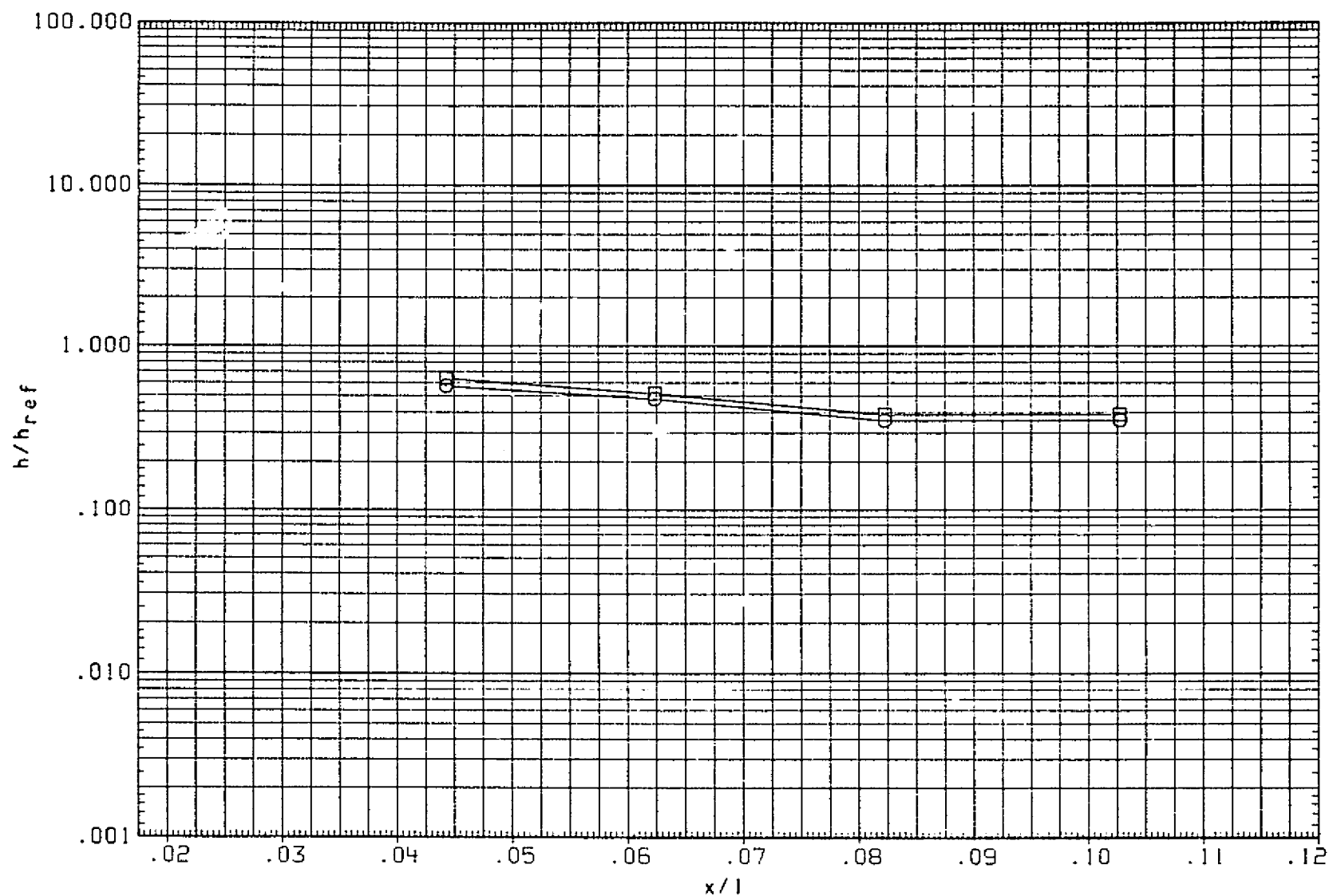


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = .007

PAGE 1460

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RM/L
EXP03	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
EXP05	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

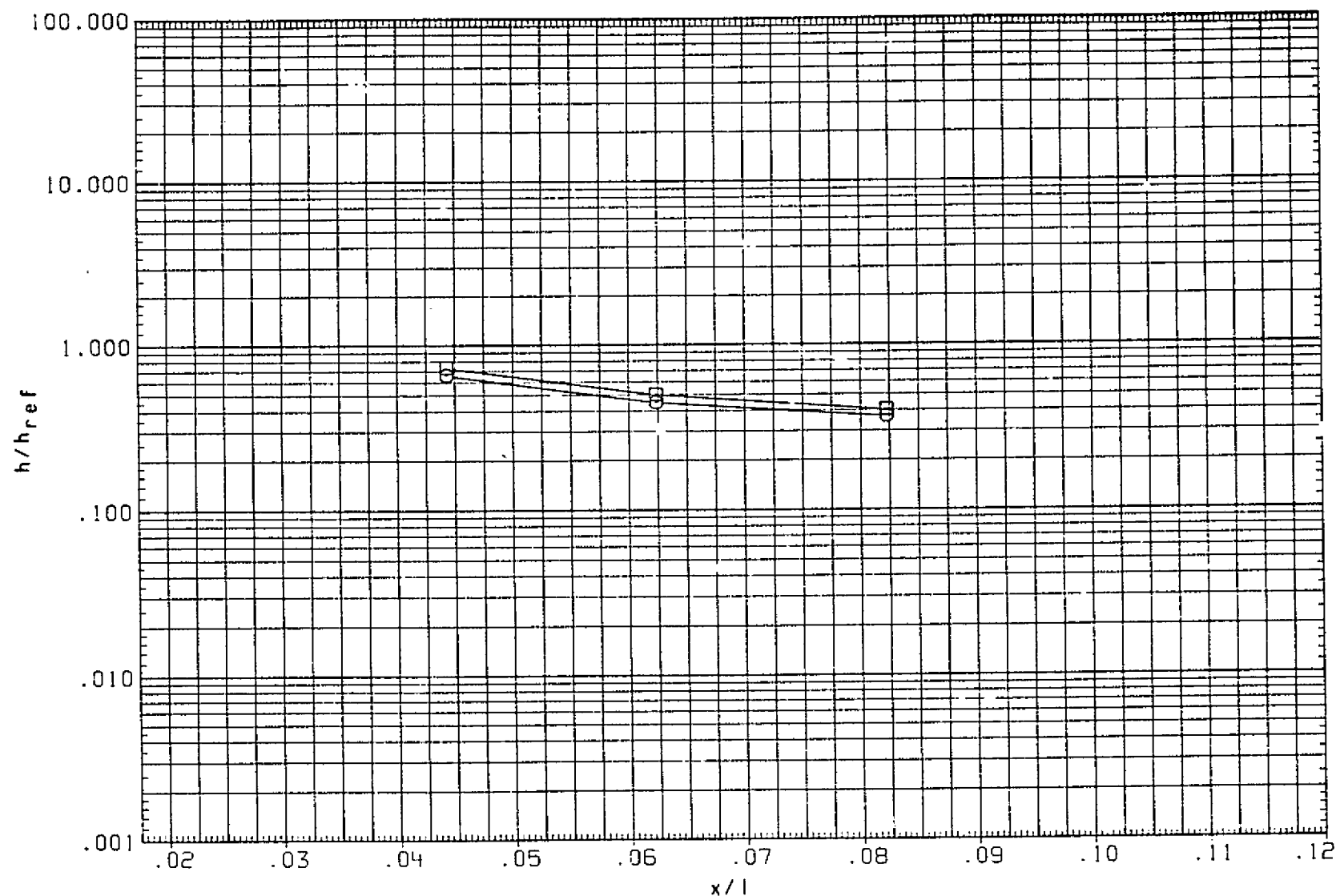


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 DY/L = .009



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

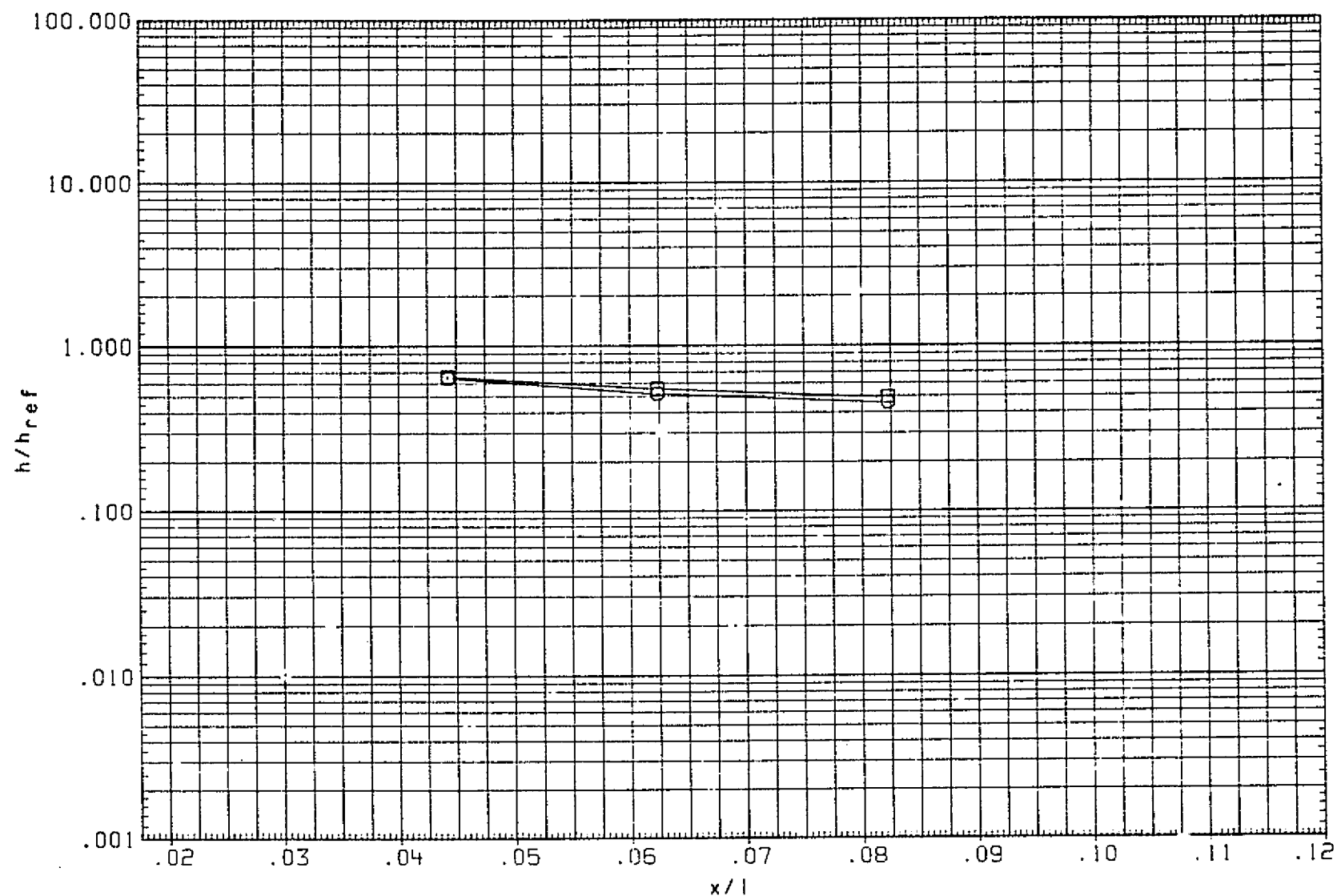


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = -.007

PAGE 1462

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

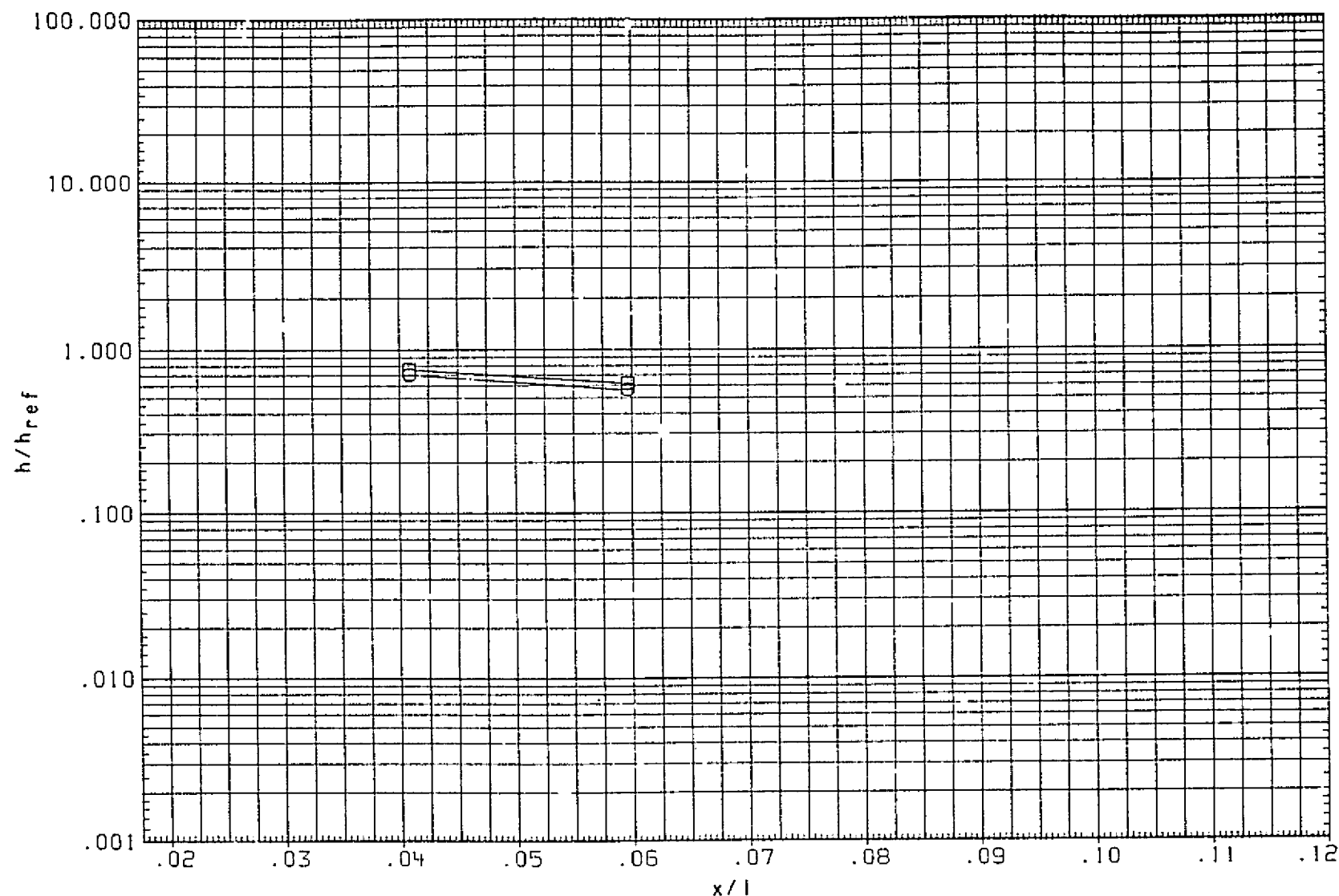


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = -.006

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTD3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTD5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

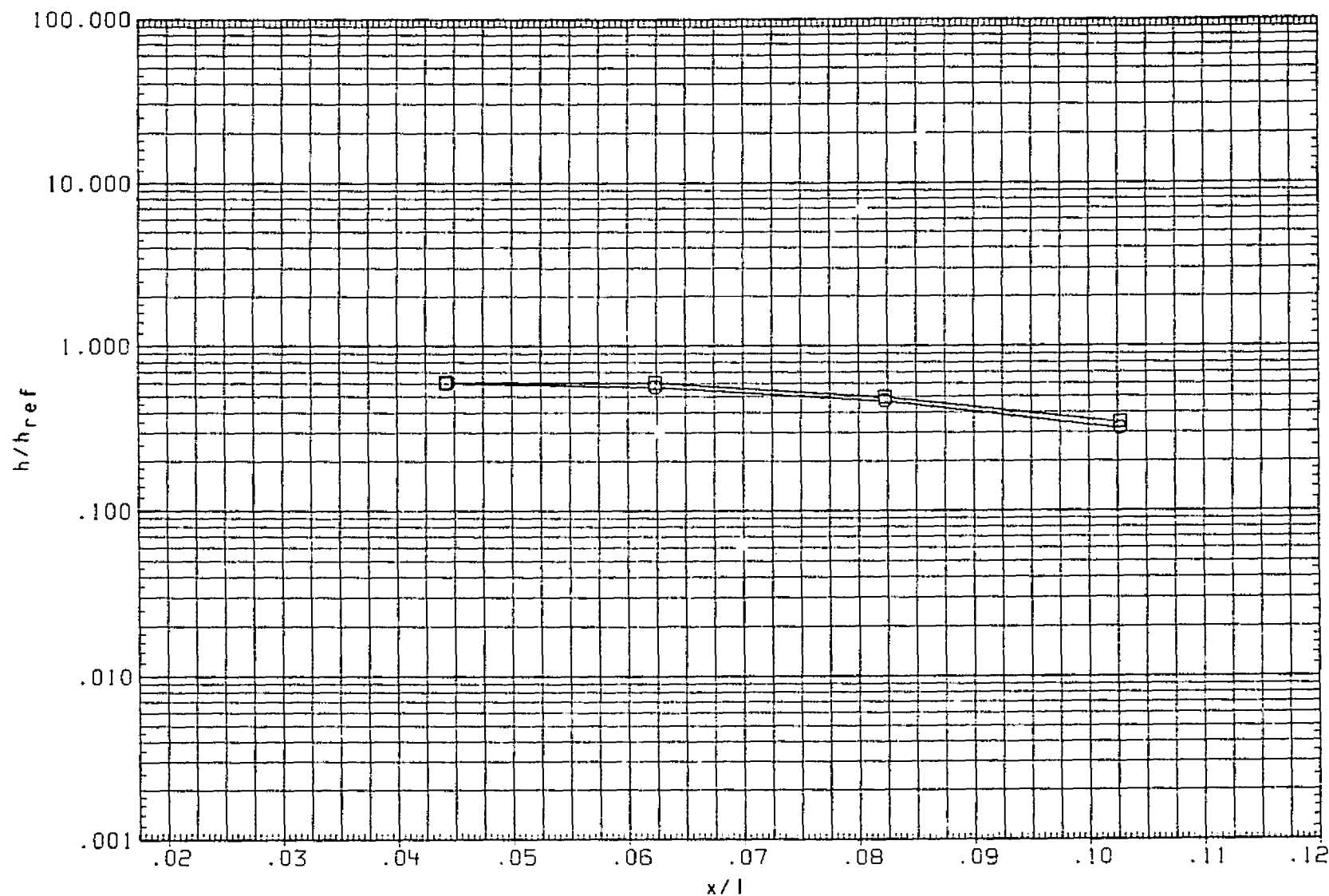


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = -.005

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

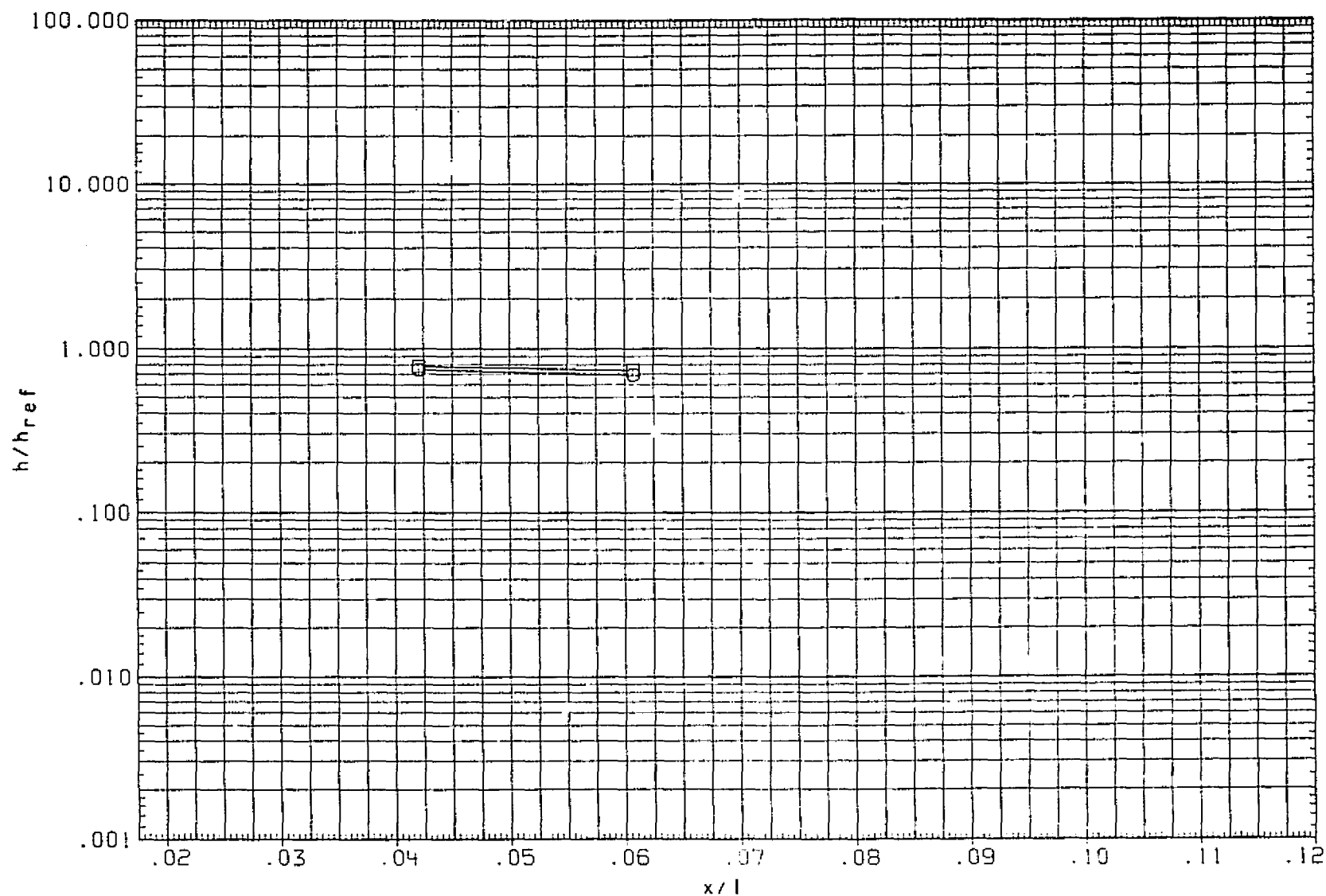


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAN/HT = .900 DY/L = -.004

PAGE 1465

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
IRNTP03	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
IRNTP05	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

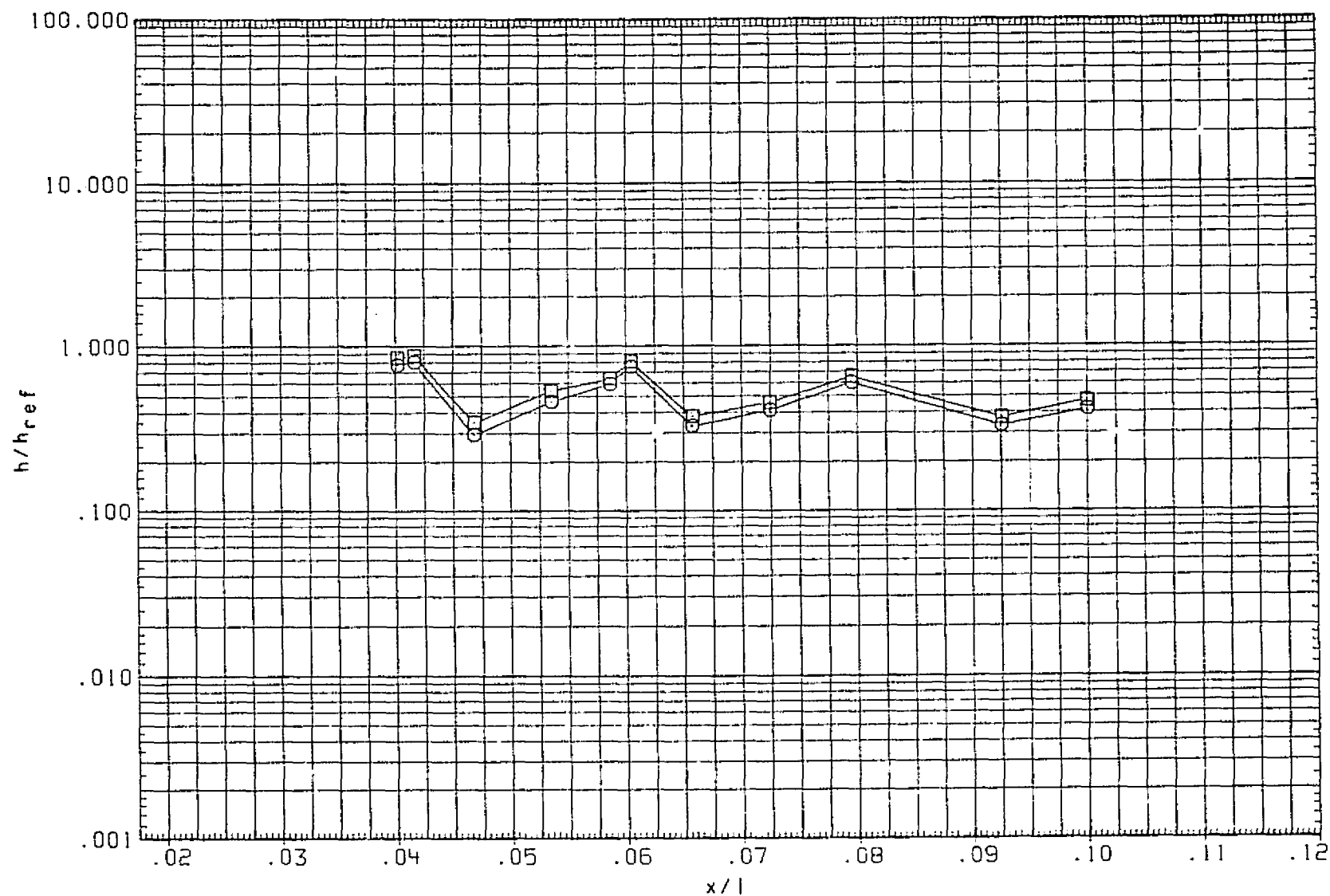


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = -.002

PAGE 1466

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	Re/L
(RNT03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNT05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

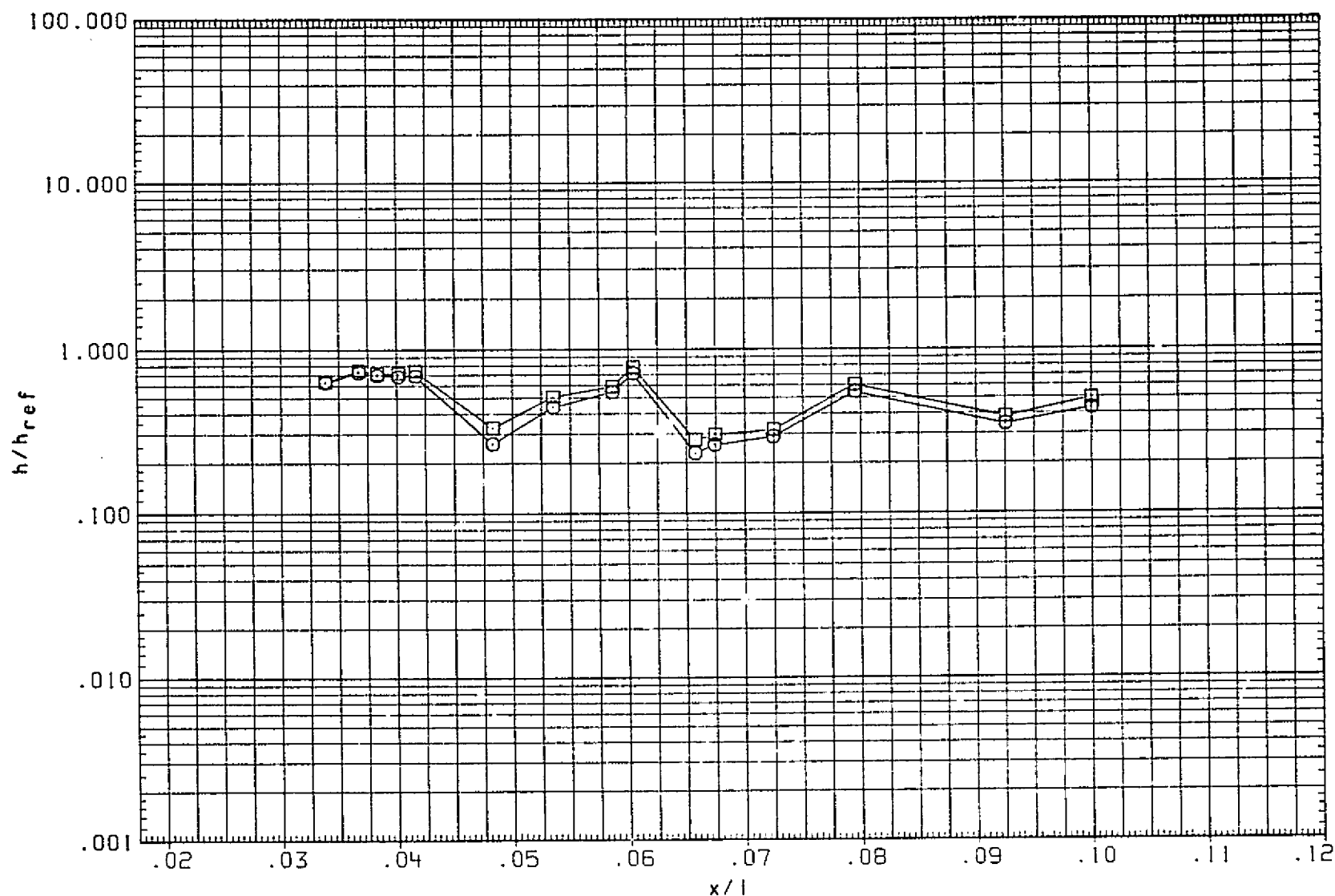


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = .001

PAGE 1467

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
IRNTP03	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
IRNTP05	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

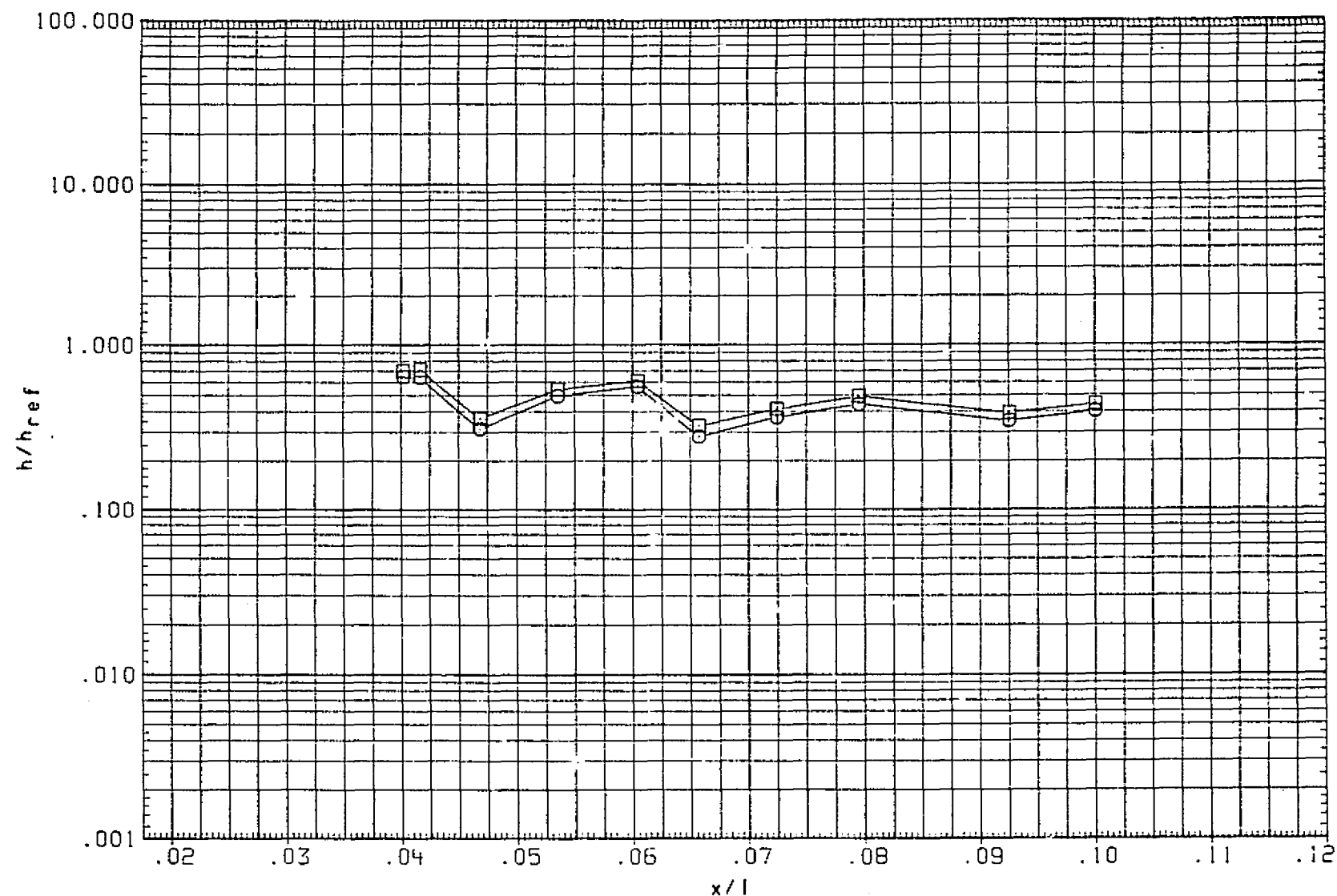


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = .004

PAGE 1468

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	Re/L
.000	.000	3.000
.000	.000	5.000

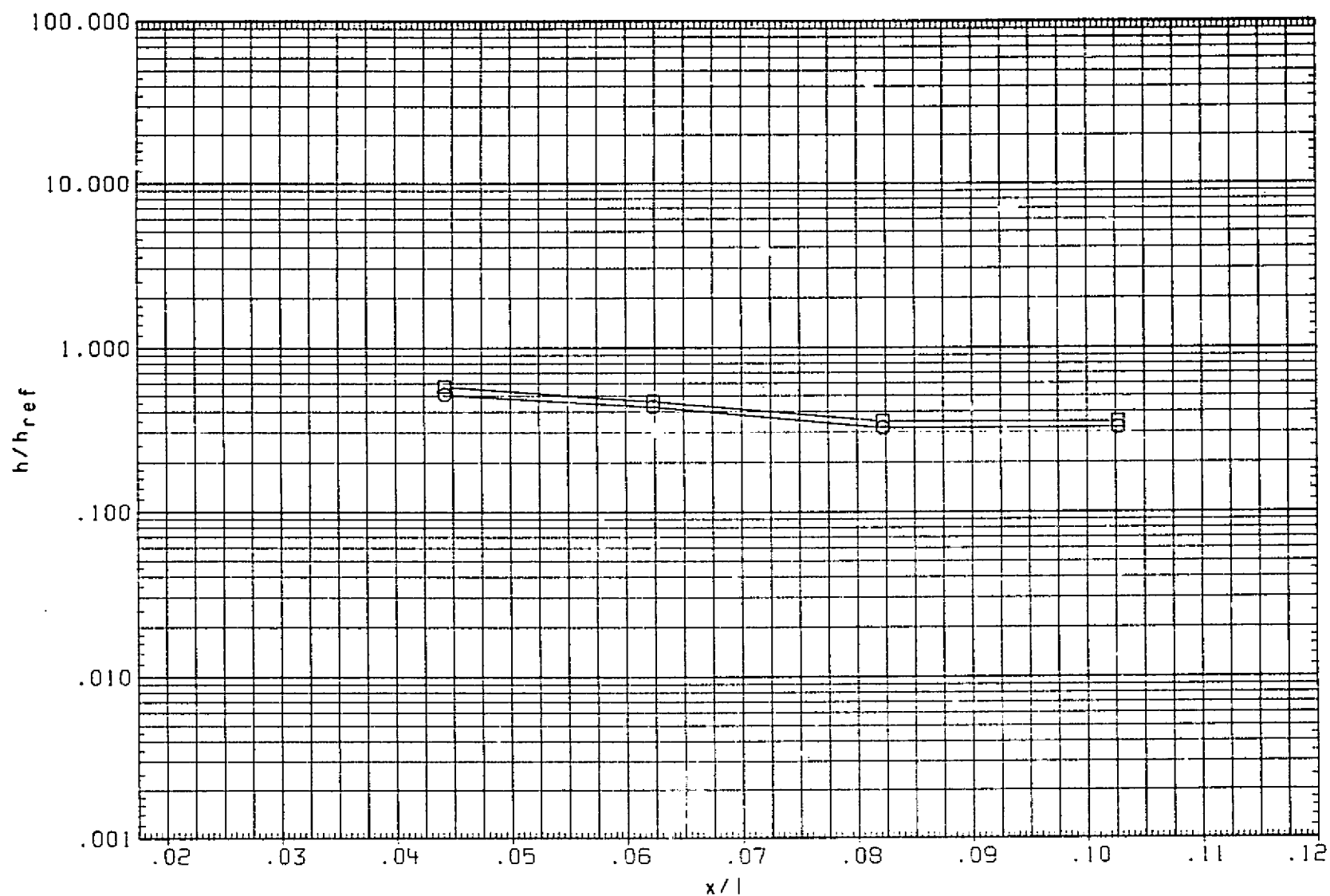


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = .007

PAGE 1469



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.009	3.000
.000	.000	5.000

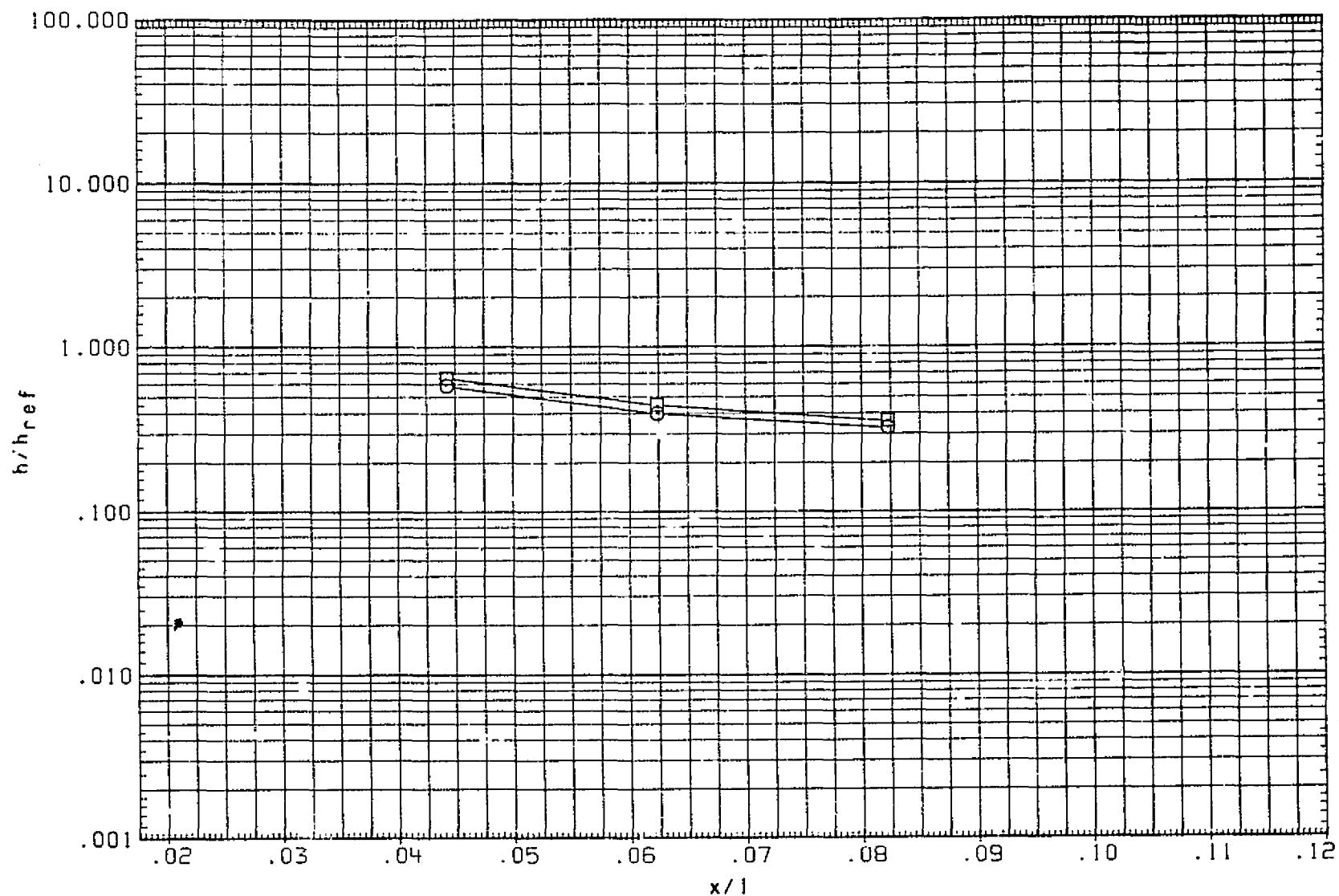


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 DY/L = .009

PAGE 1470

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

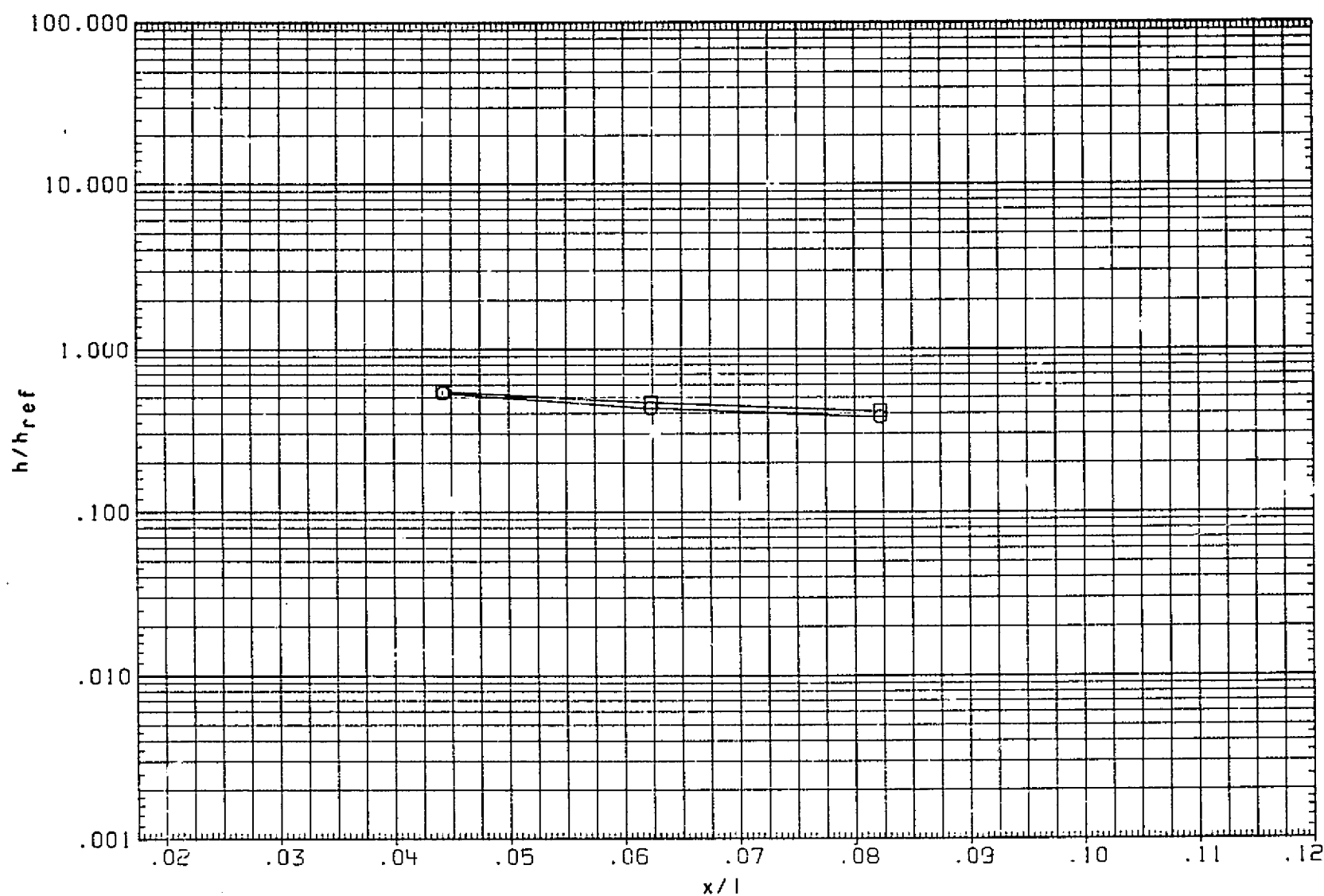


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.007

PAGE 1471

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

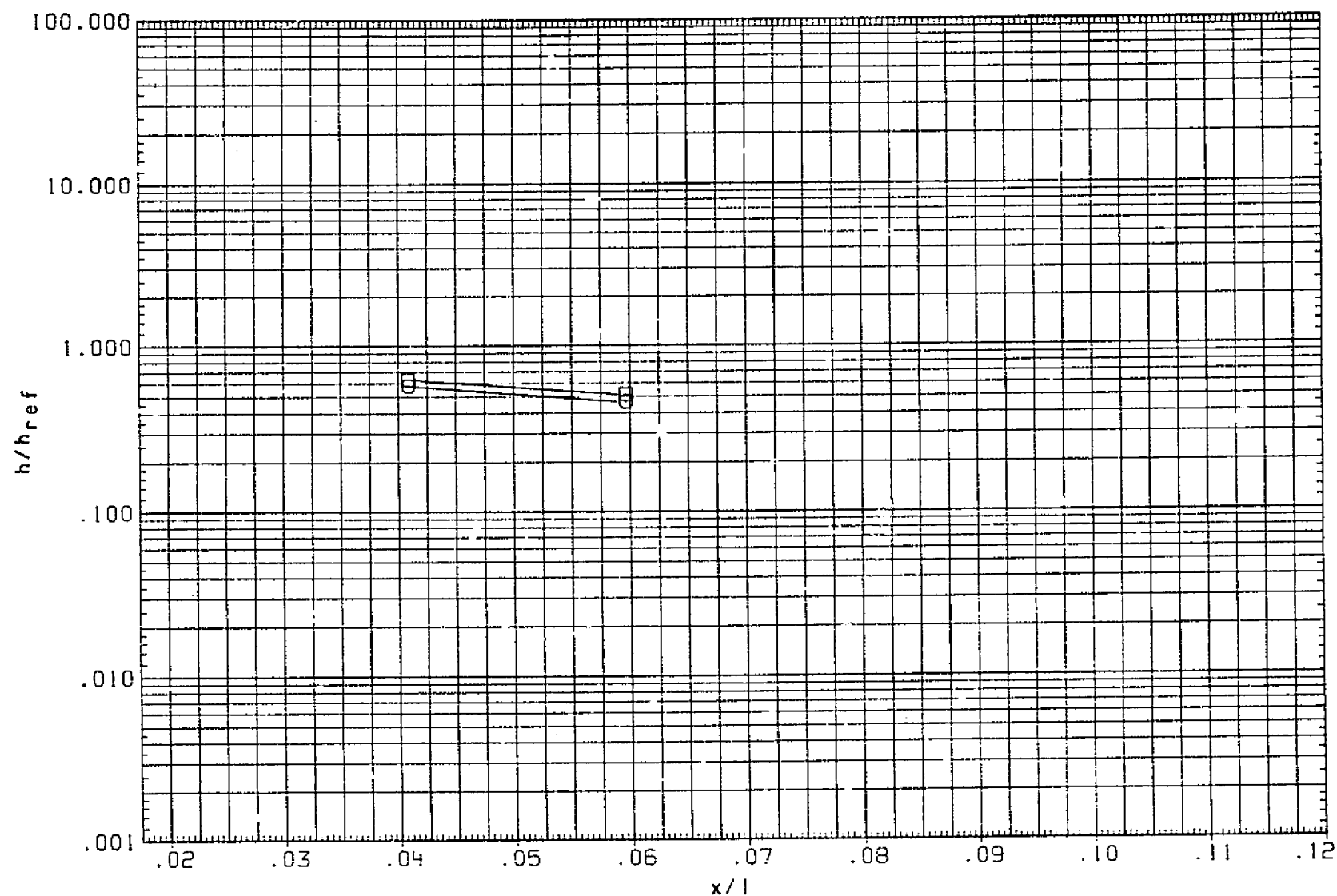


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = -.006

PAGE 1472

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNT03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNT05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

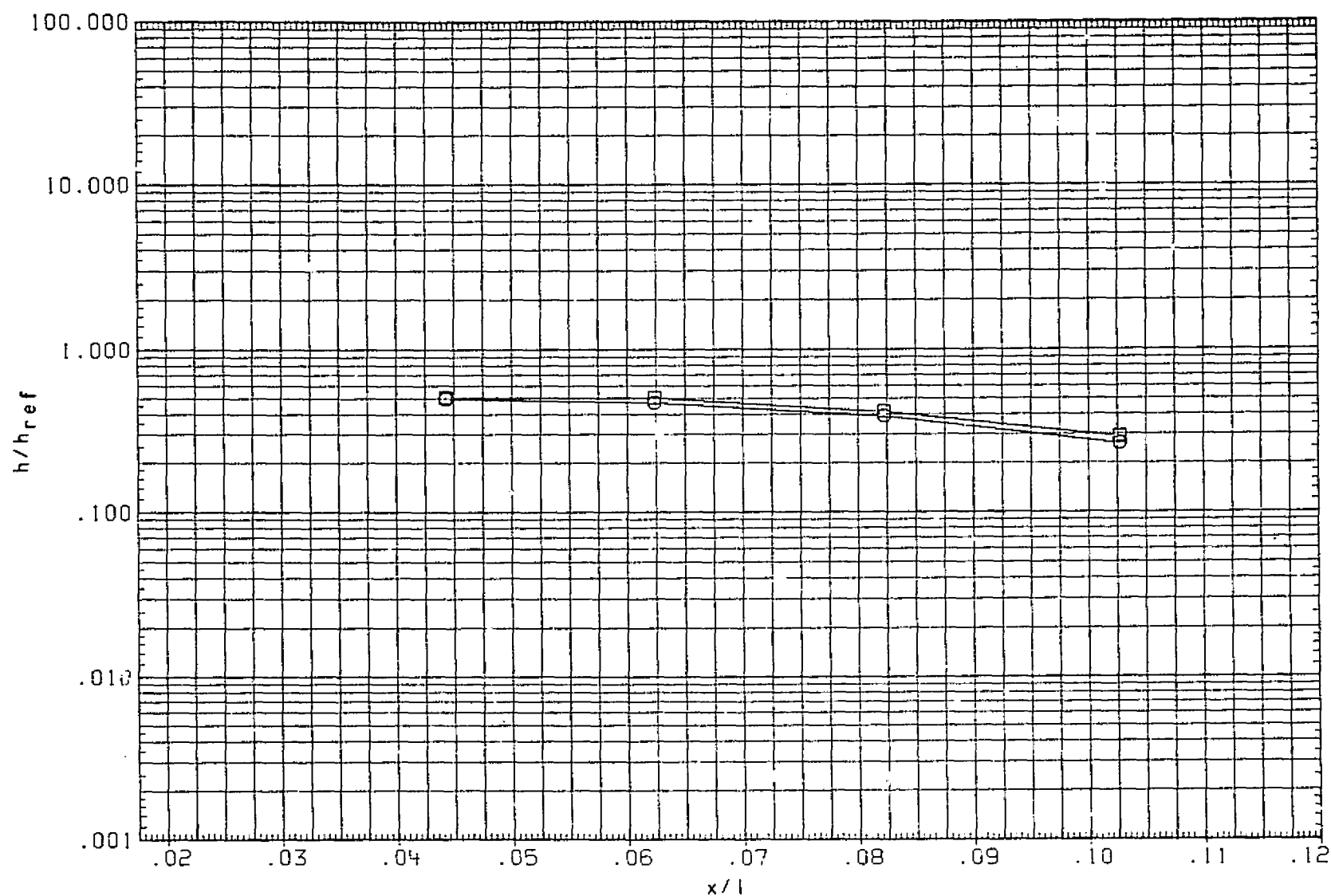


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = -.005

PAGE 1473

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO7)	○	ARC3.5-215(FH14) PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14) PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

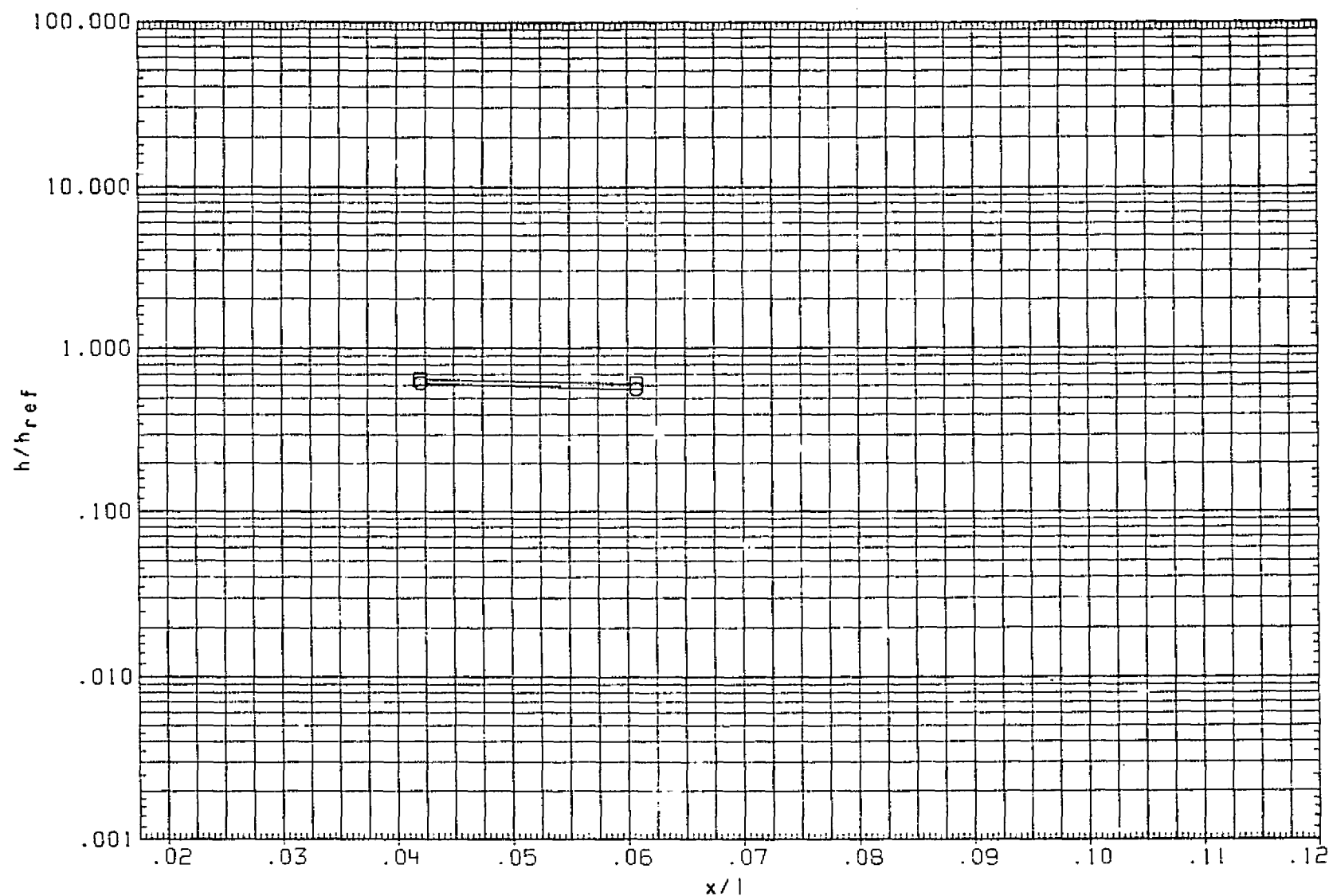


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = -.004

PAGE 1474

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTP03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTP05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

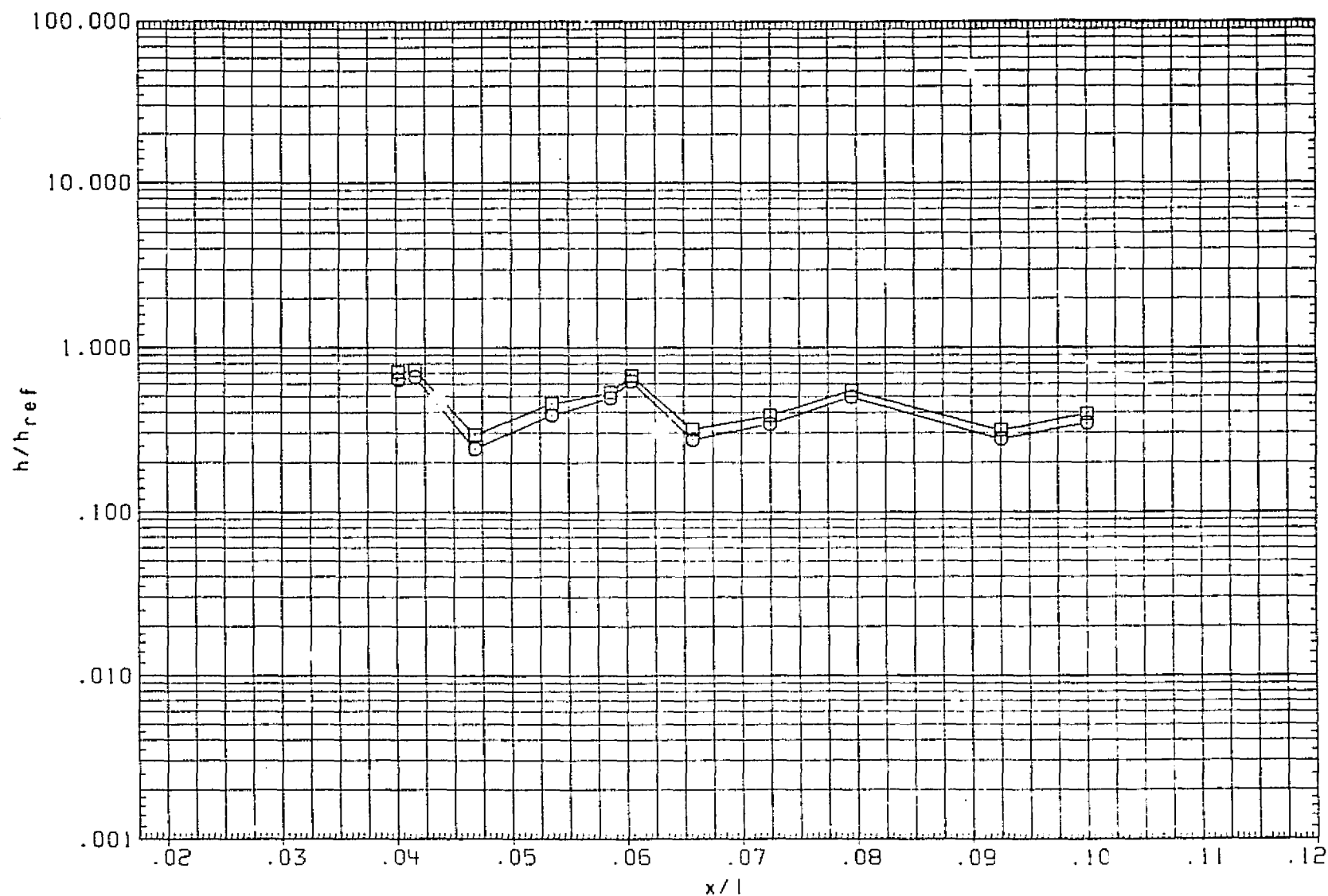


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = -.002

PAGE 1475

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

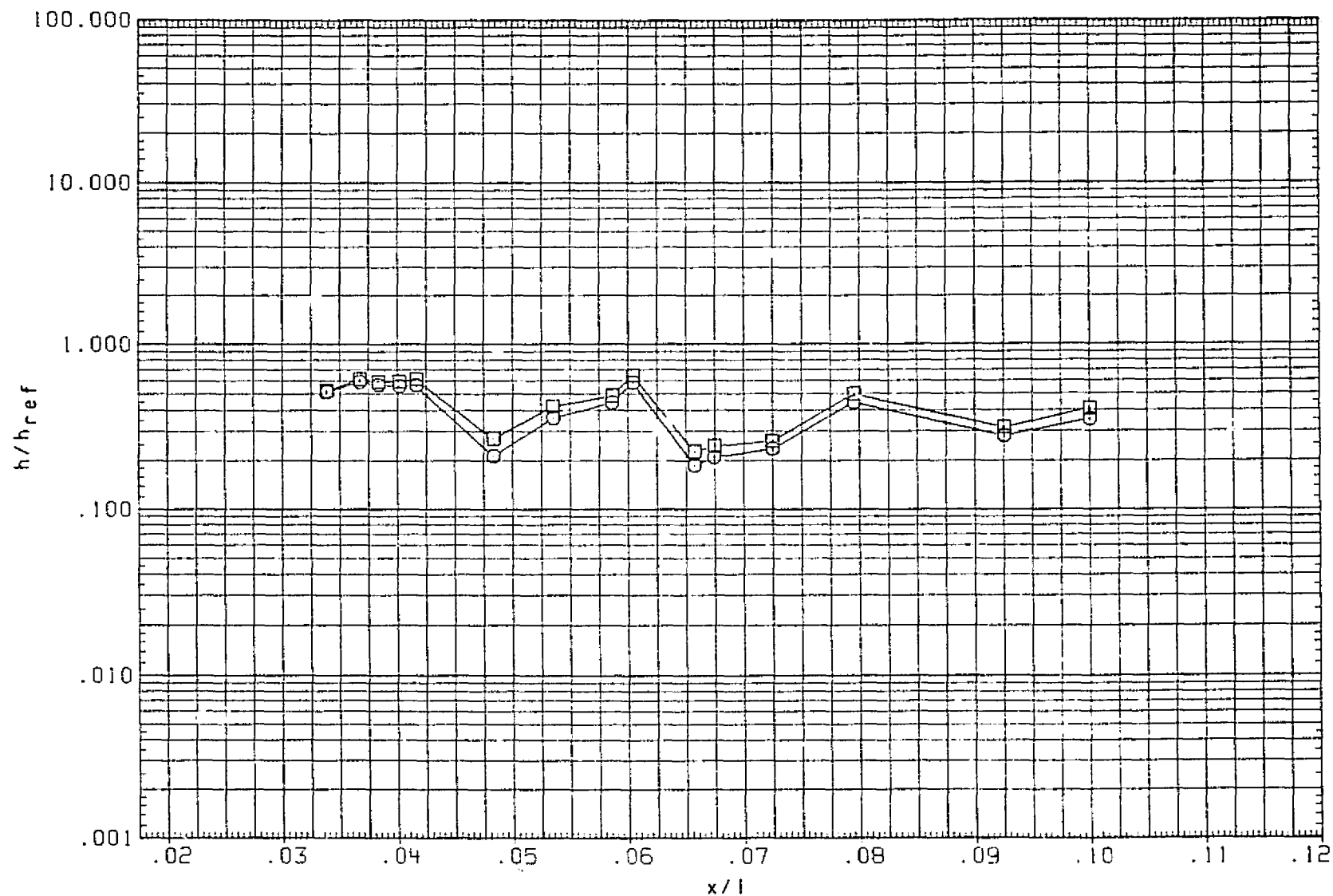


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = .001

PAGE 1476

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RNTPO3) ○ ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)  
 (RNTPO5) □ ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

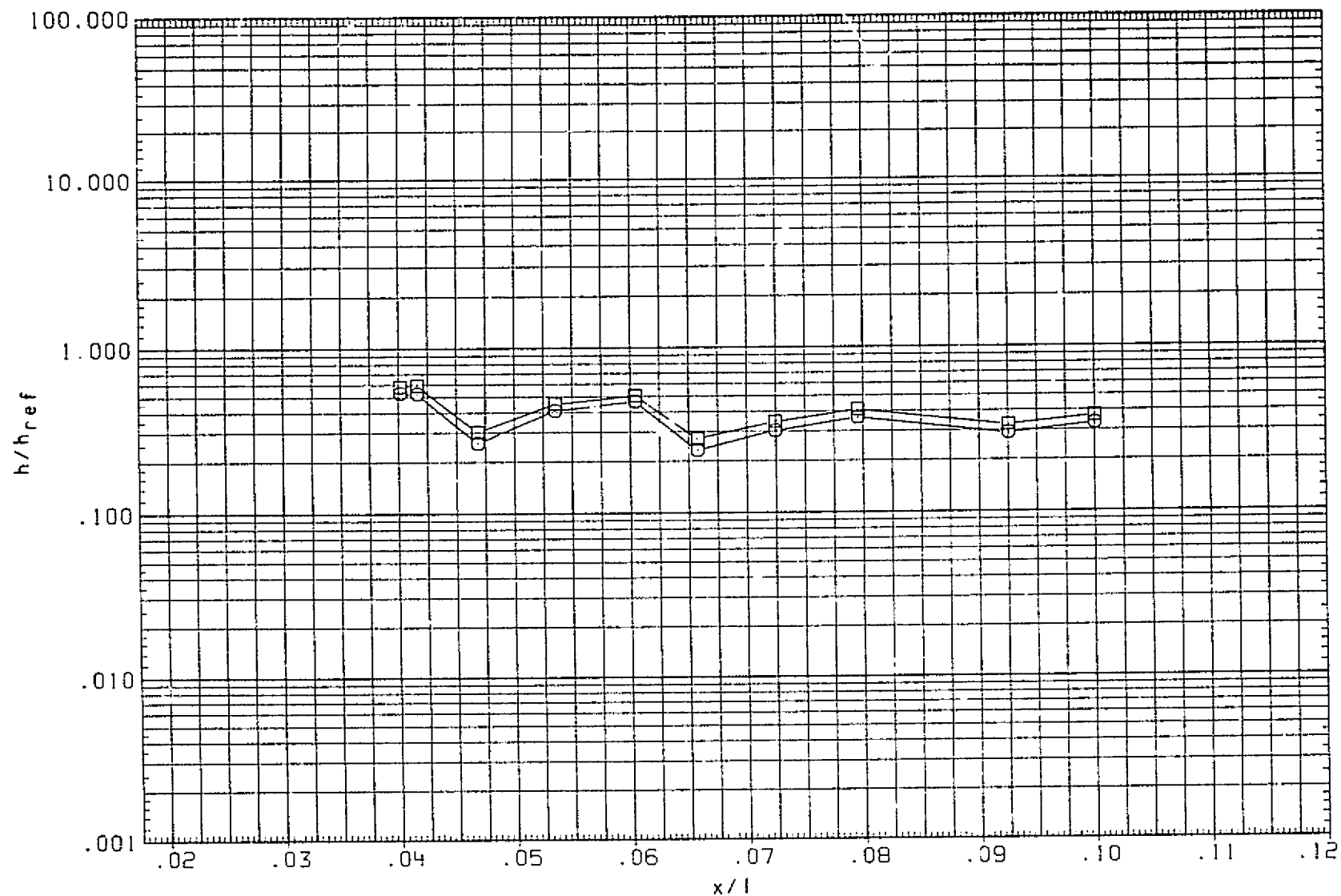


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = .004



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNP03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNP05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

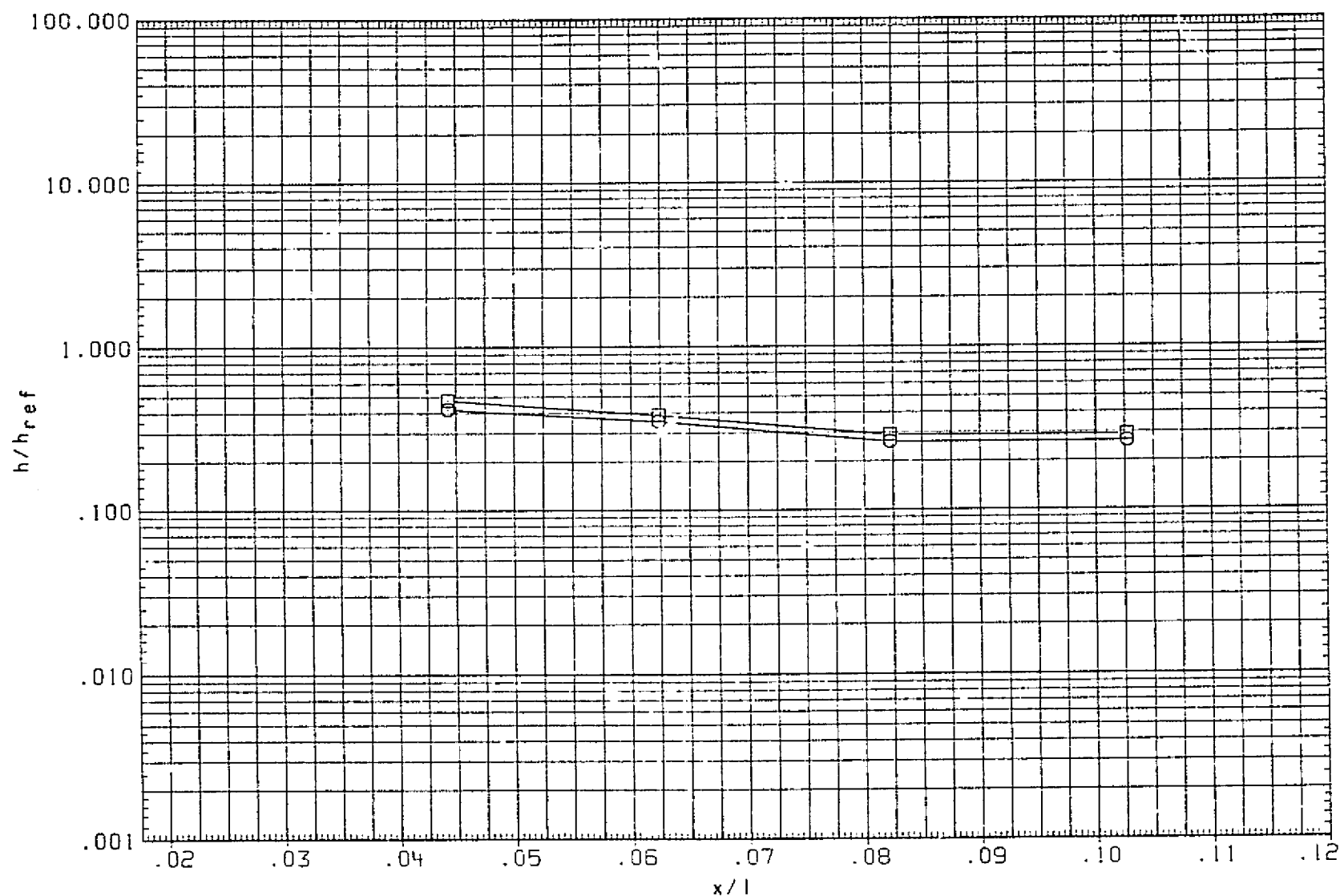


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DY/L = .007

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

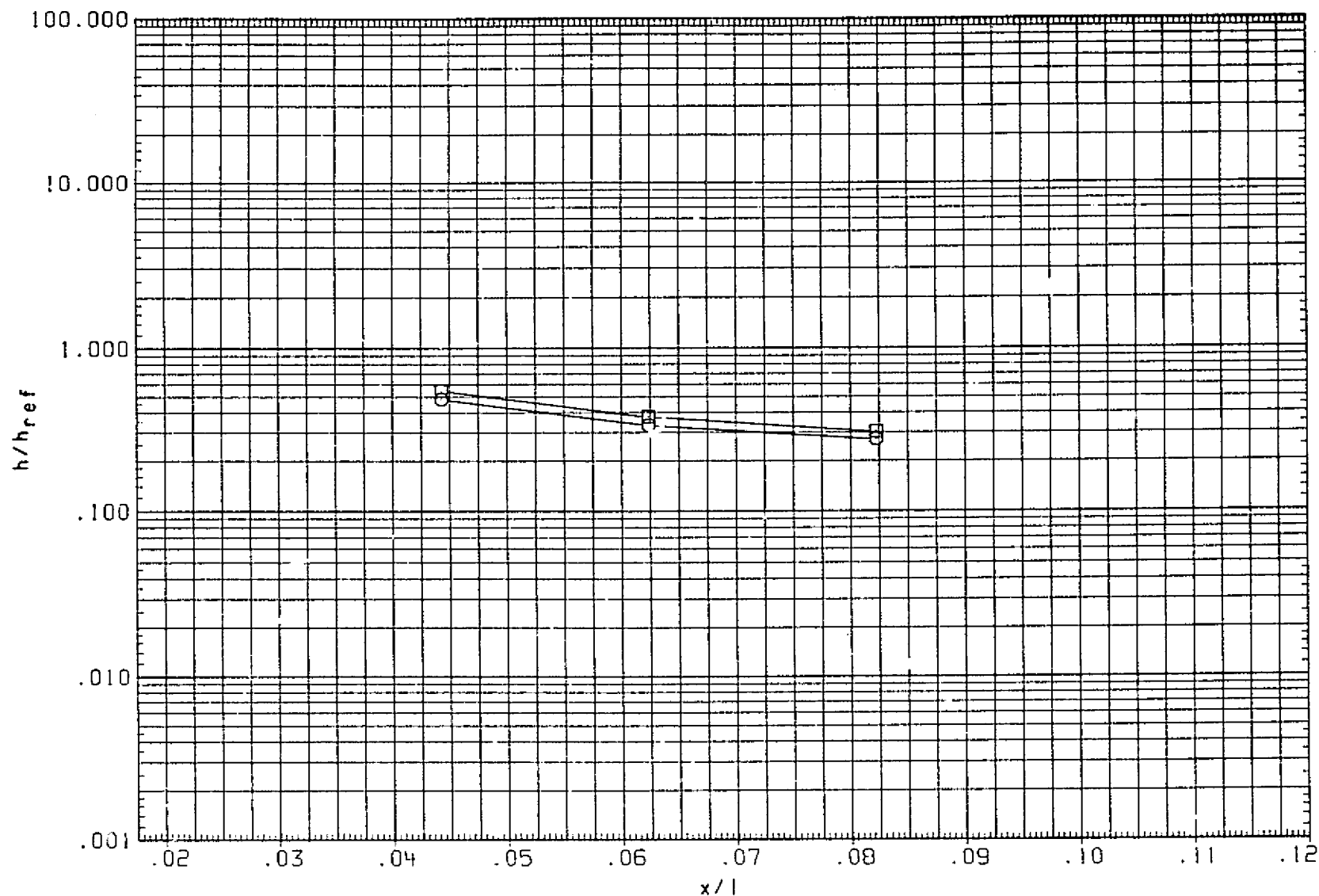


FIG. 16 EXTERNAL PROTUB. AREA, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 DYW = .009

PAGE 1479

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

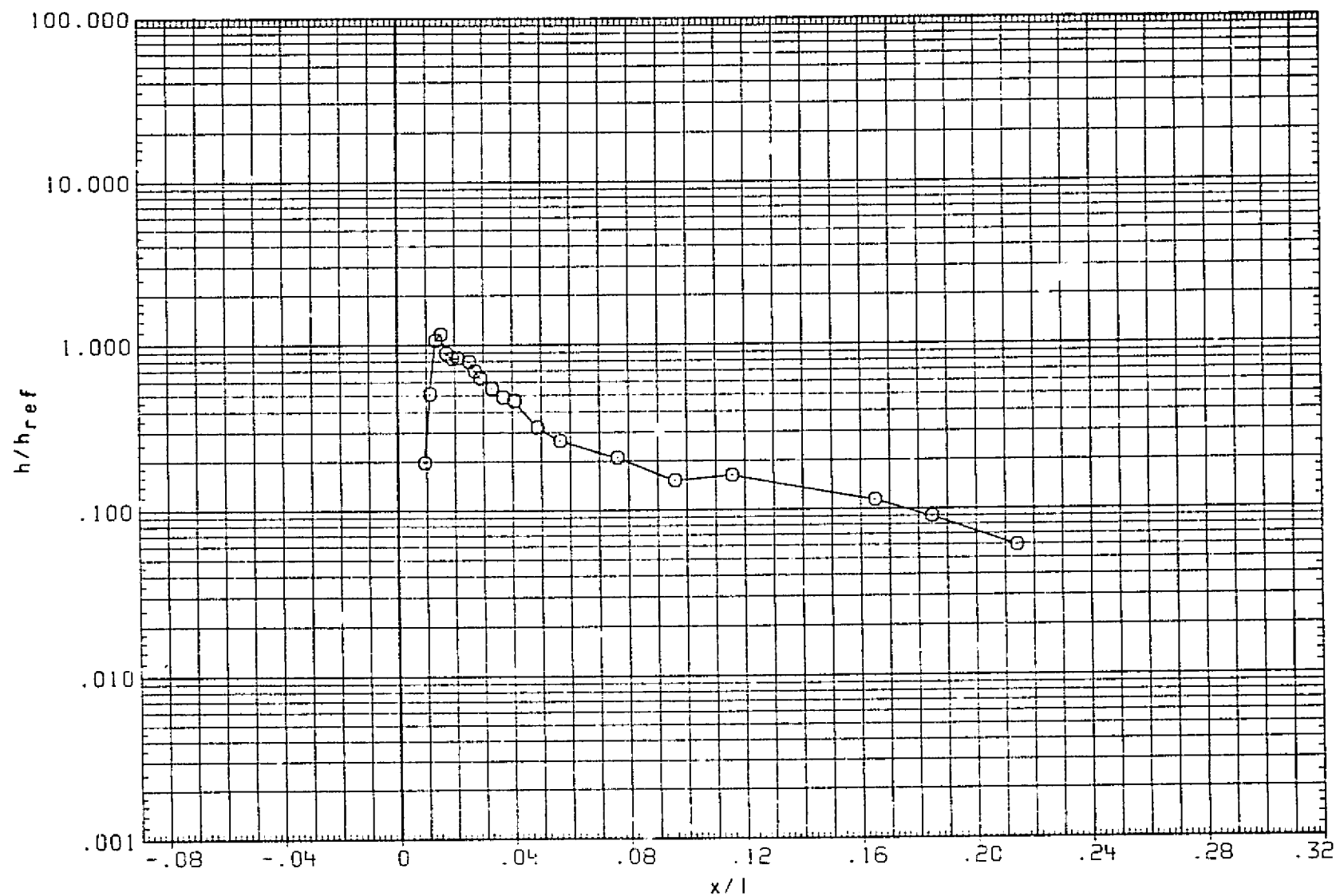


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNT101) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

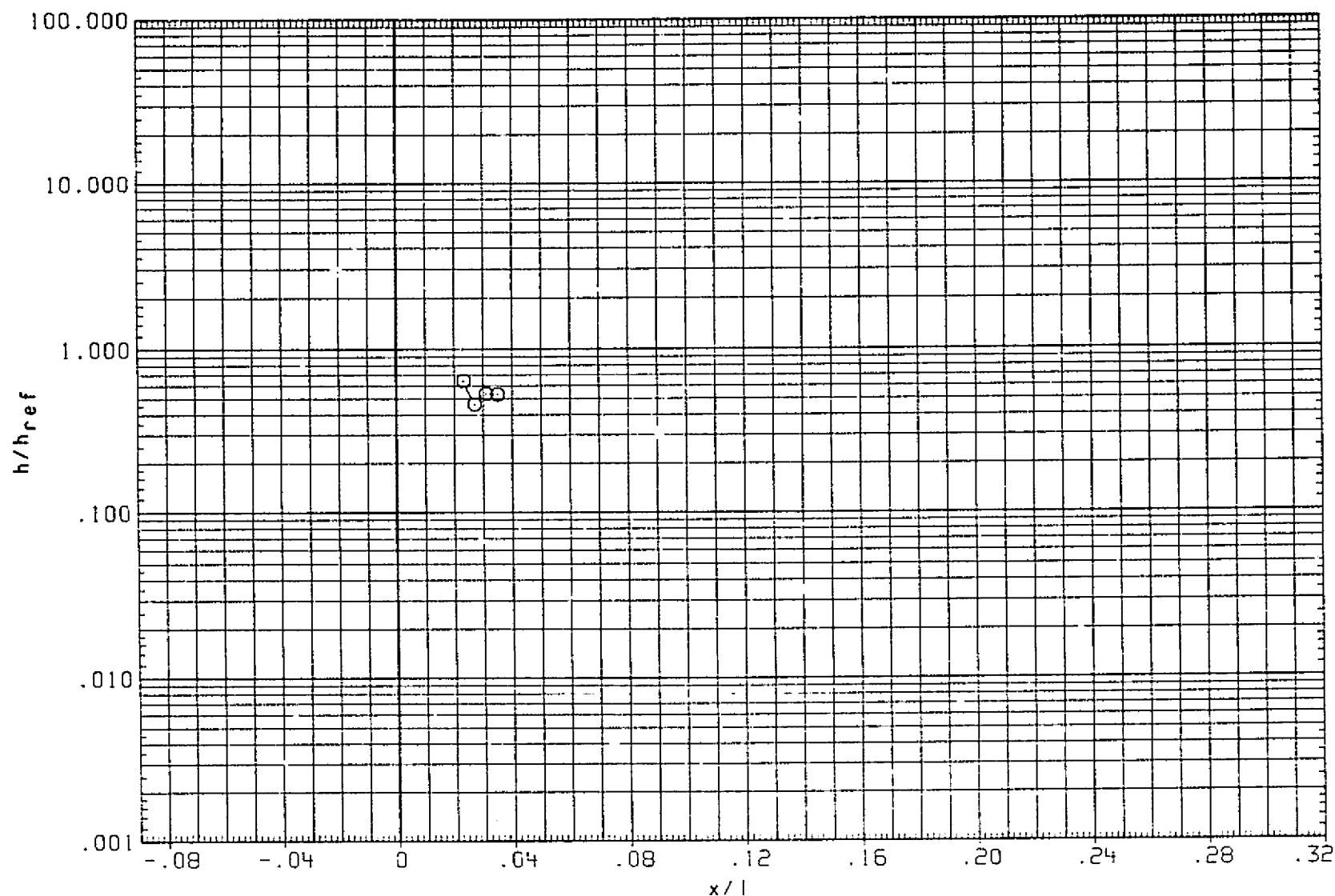


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 10.000

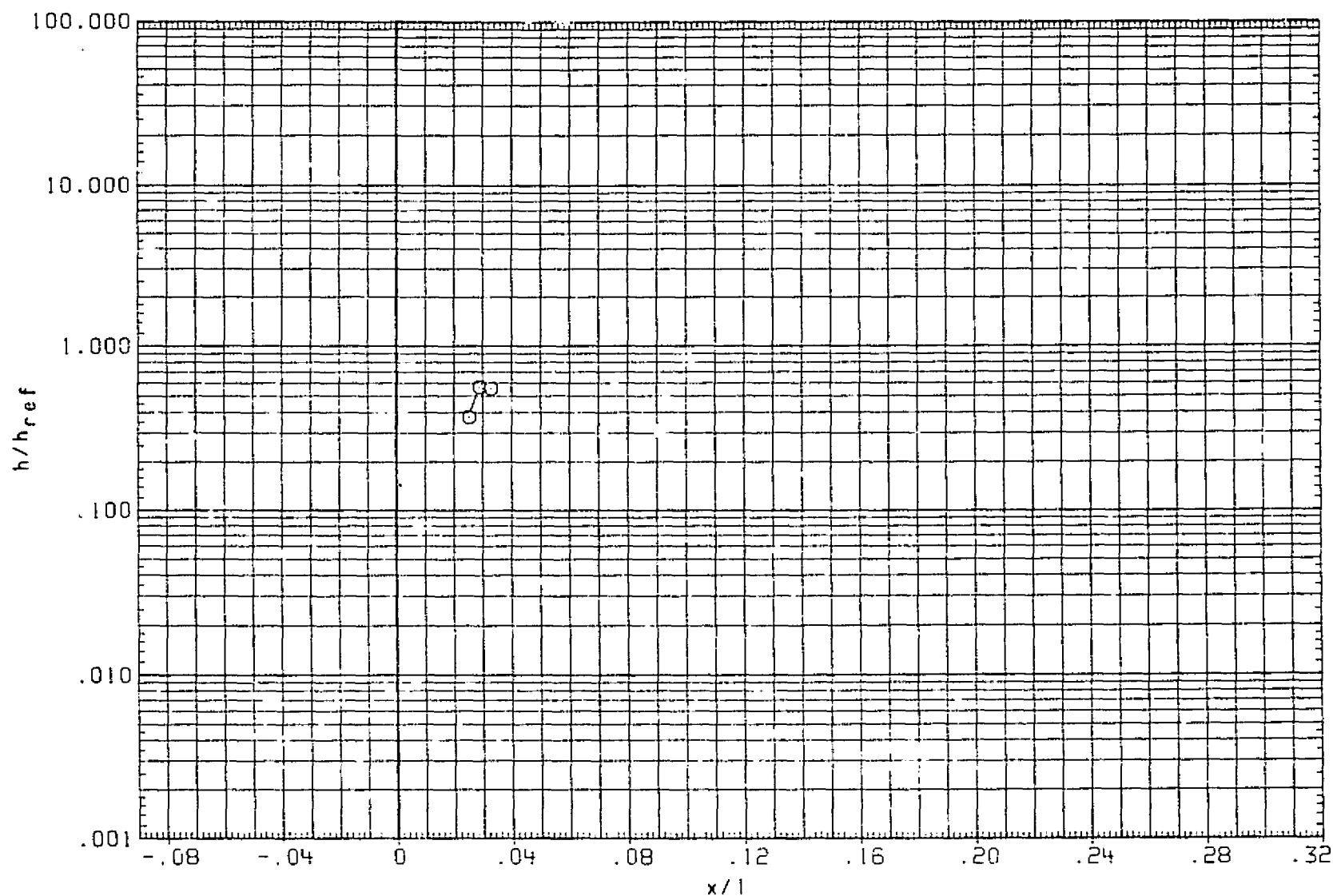


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 20.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

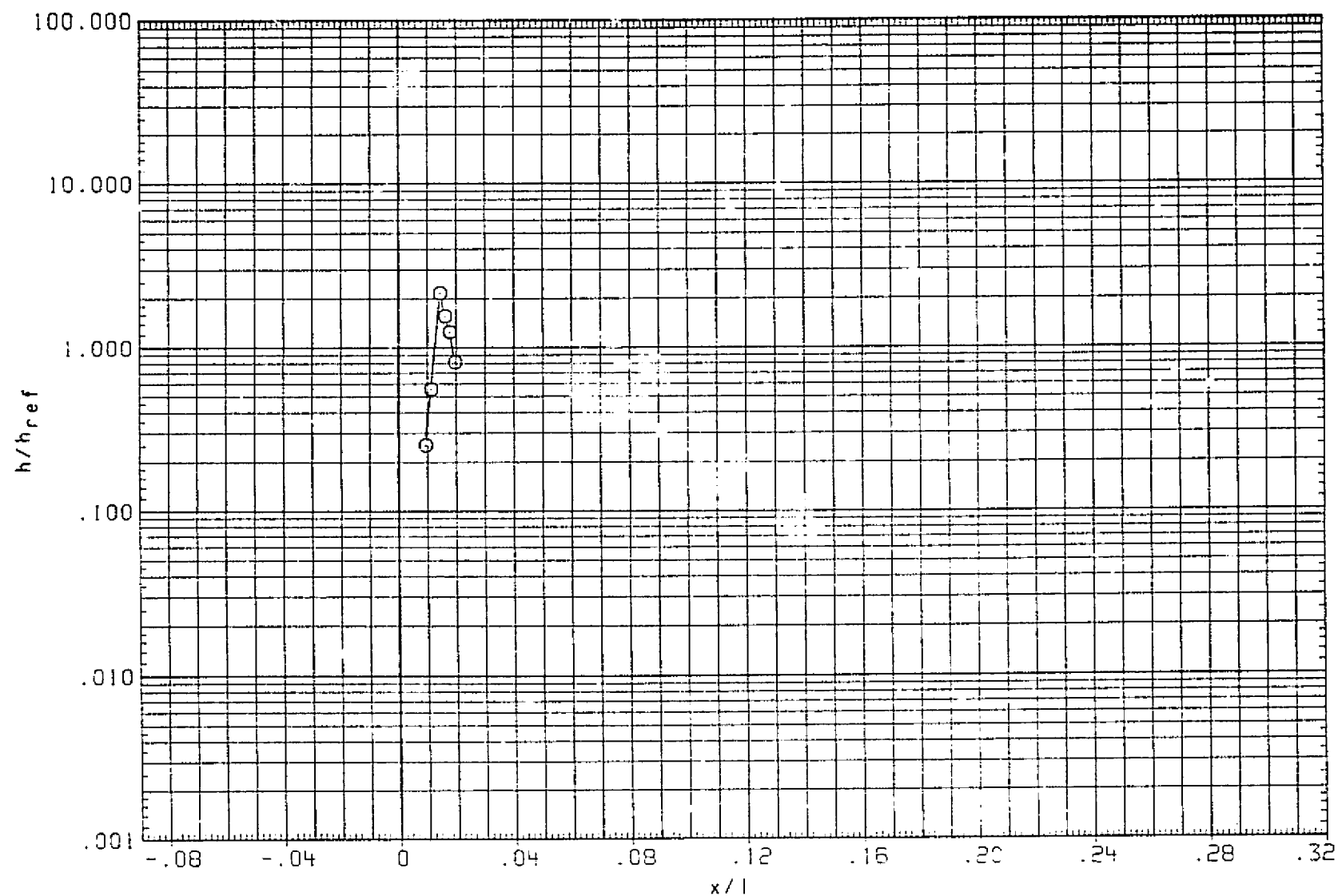


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 31.500

PAGE 1483

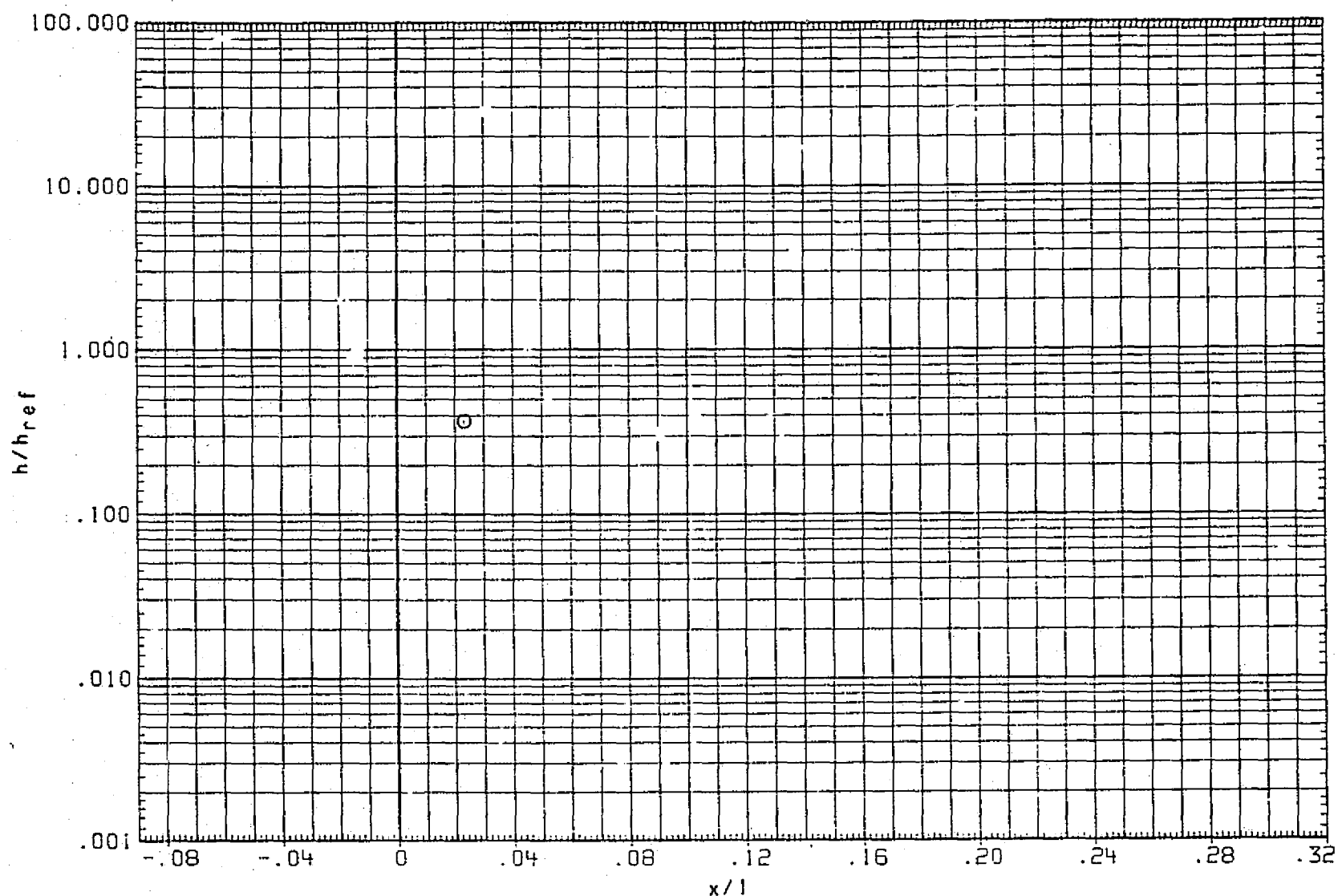


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 45.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH)110/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

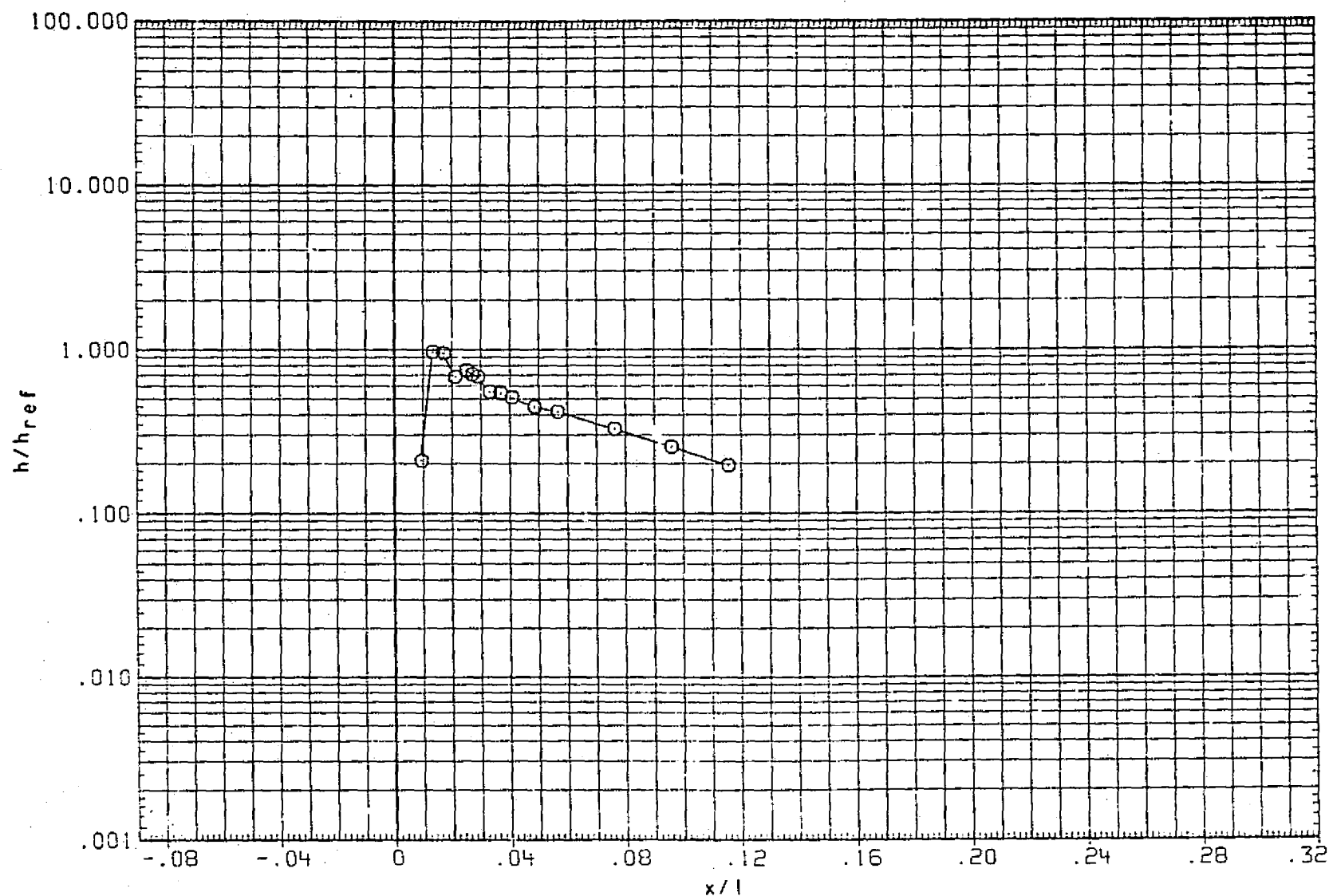


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 90.000

PAGE 1485



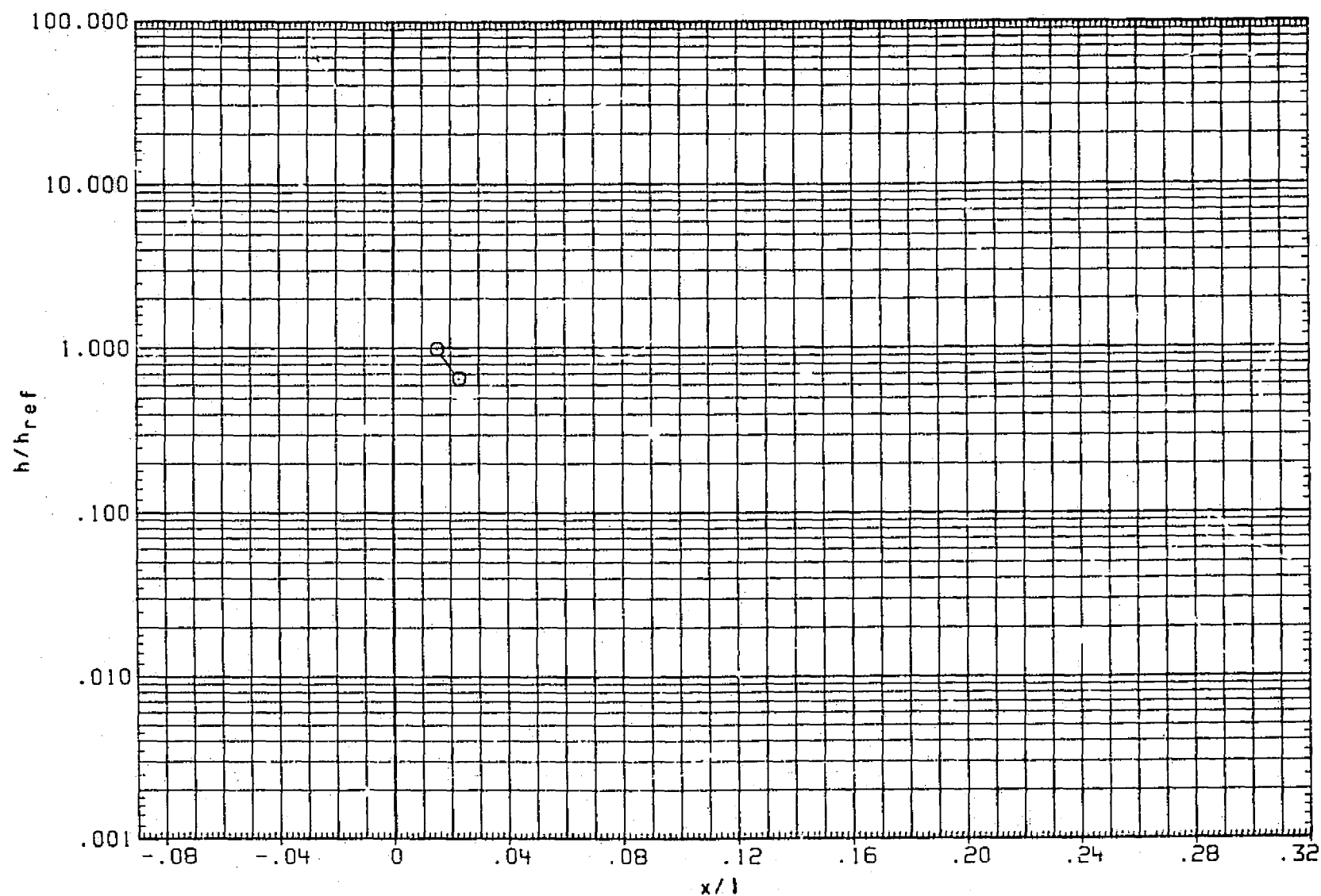


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .950 THETA = 135.000

PAGE 1486

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

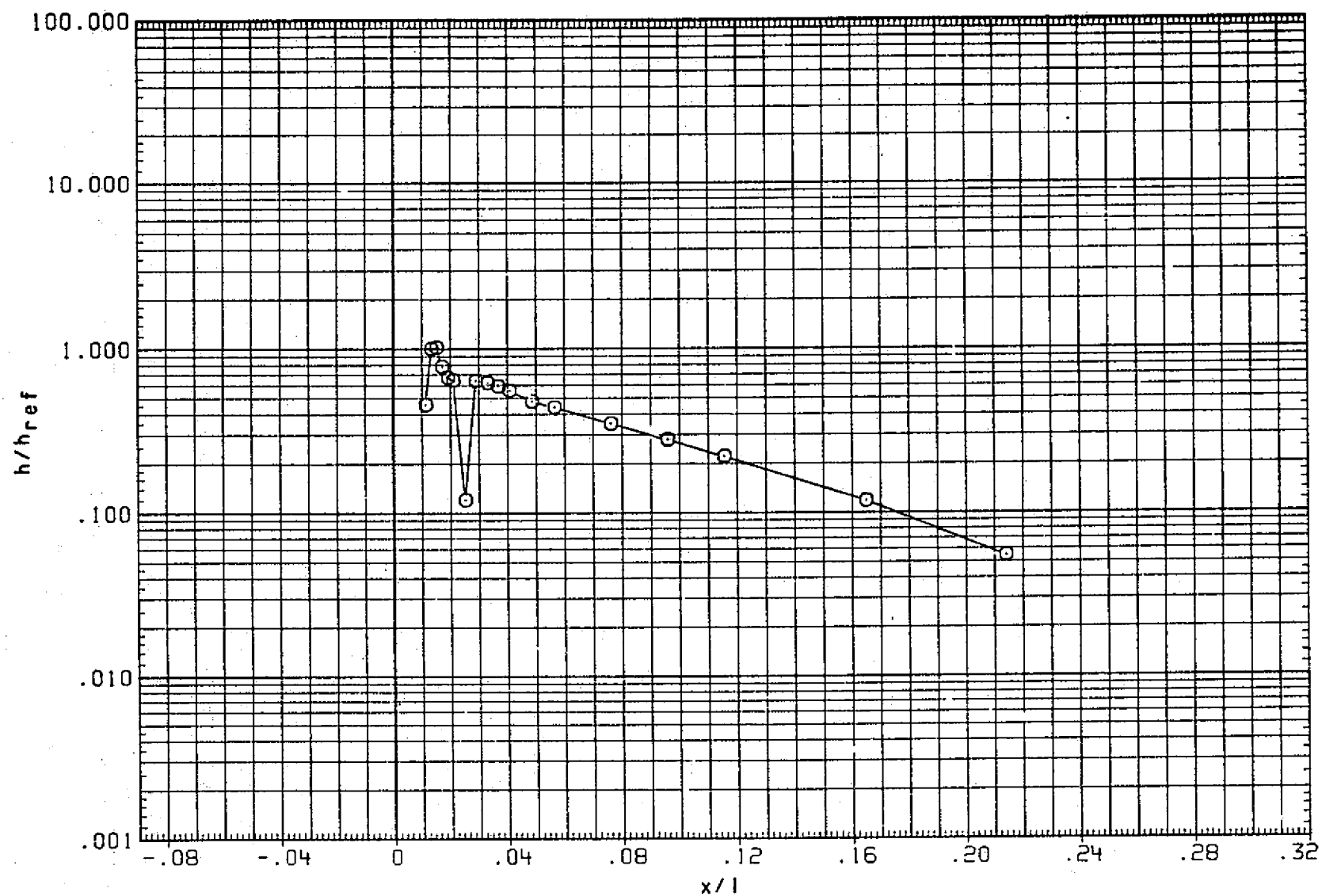


FIG. 17 TANK FOREBODY,

REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 180.000

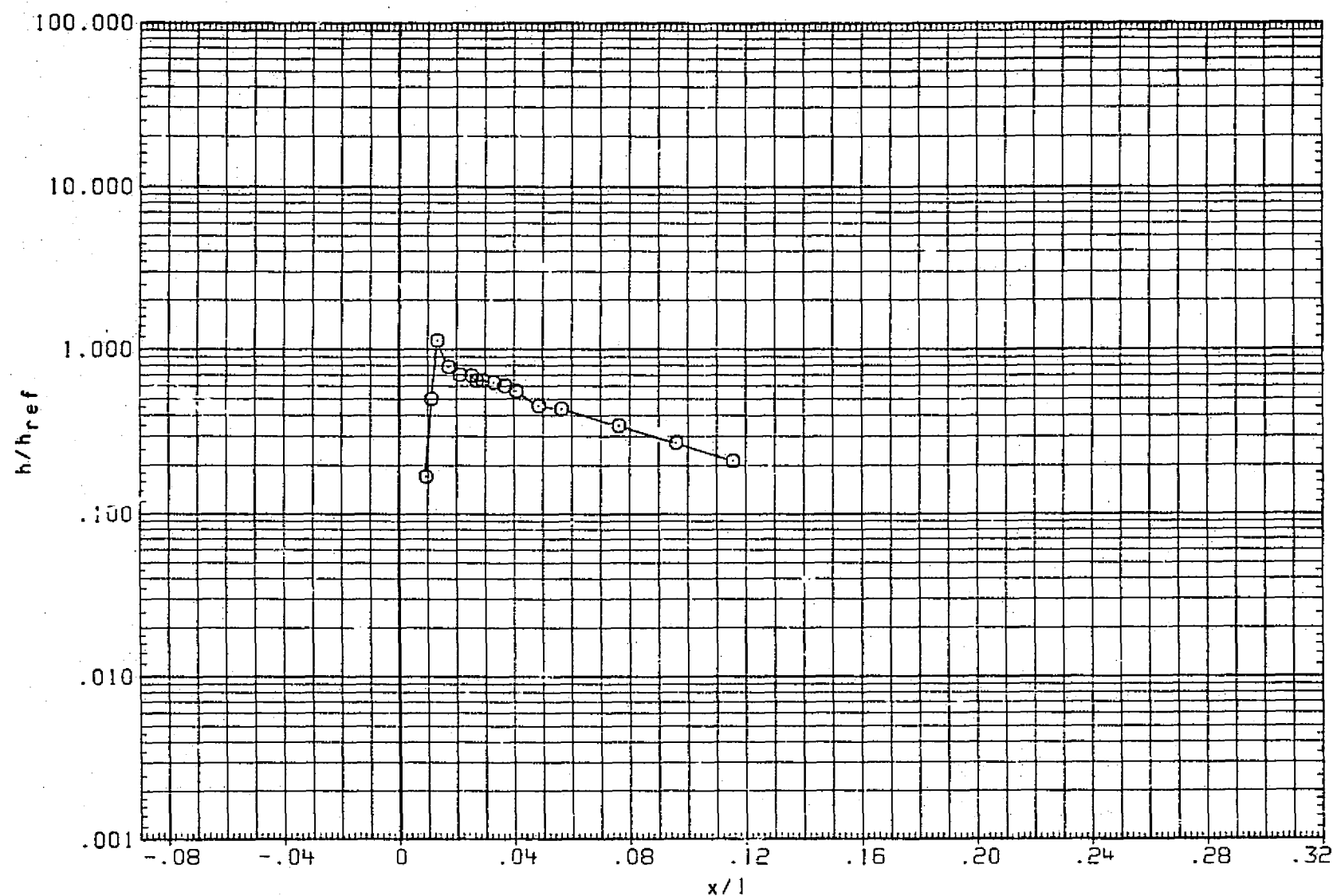


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 270.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

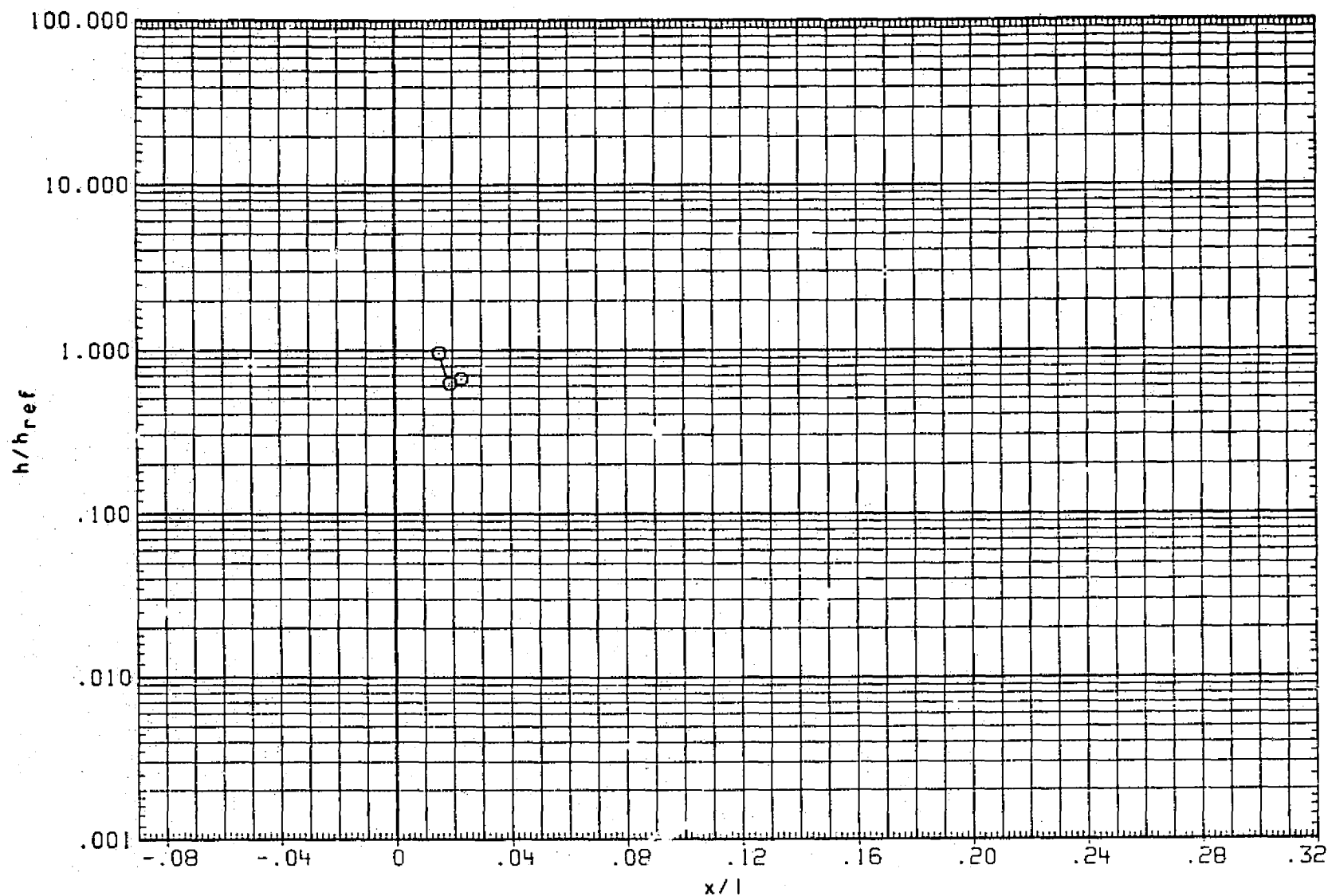


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .850 THETA = 315.000

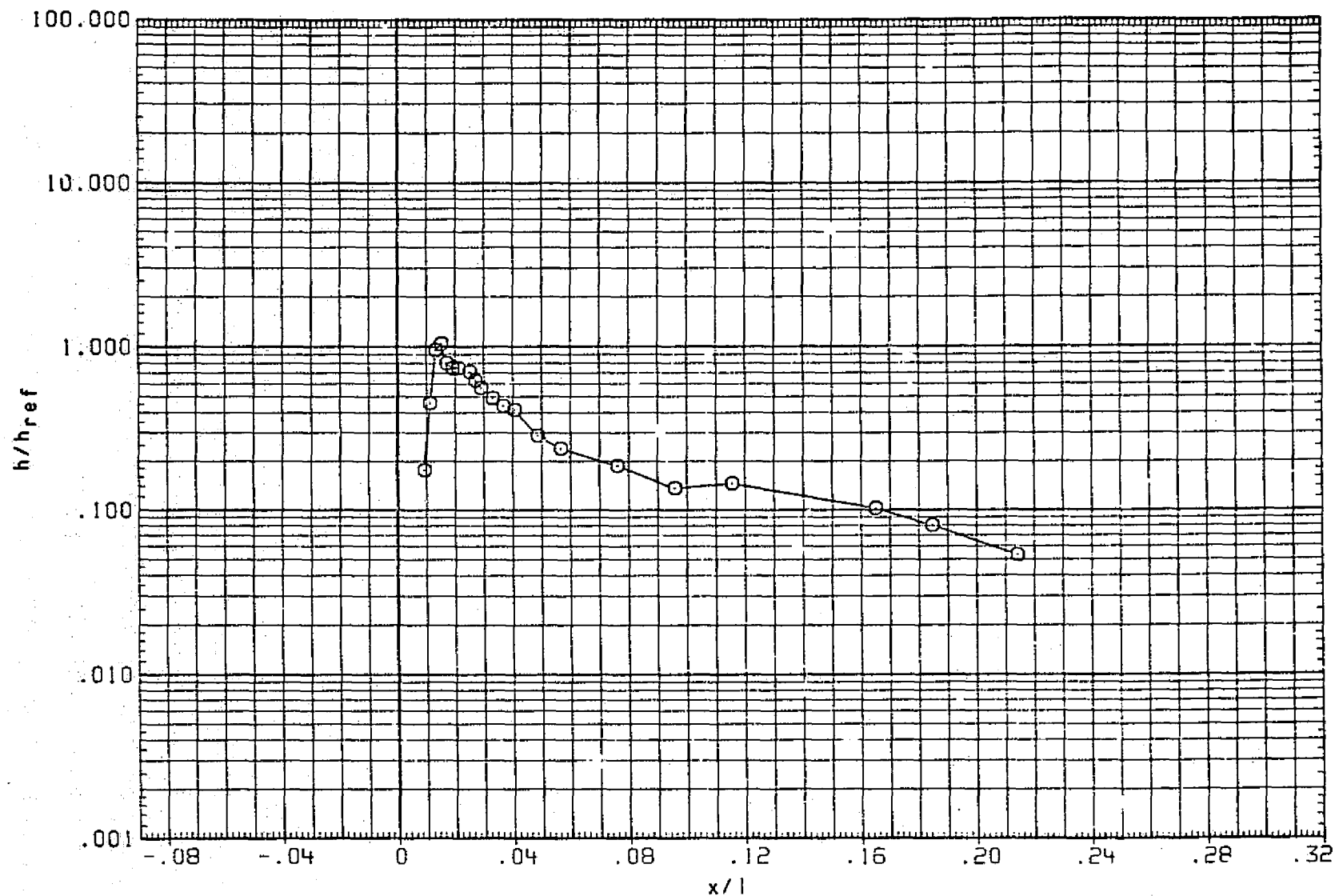


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
.000 .000 1.500

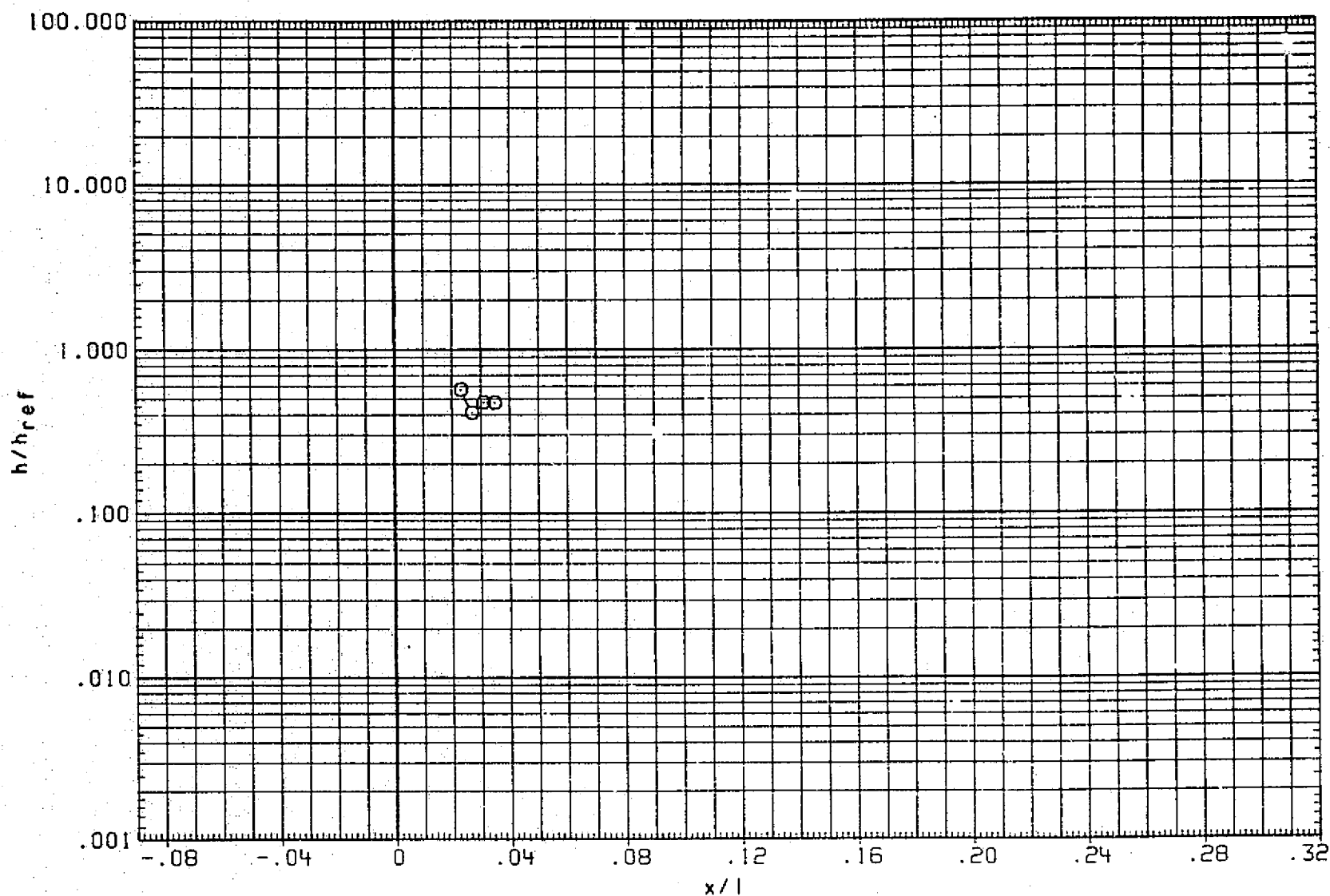


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 10.000

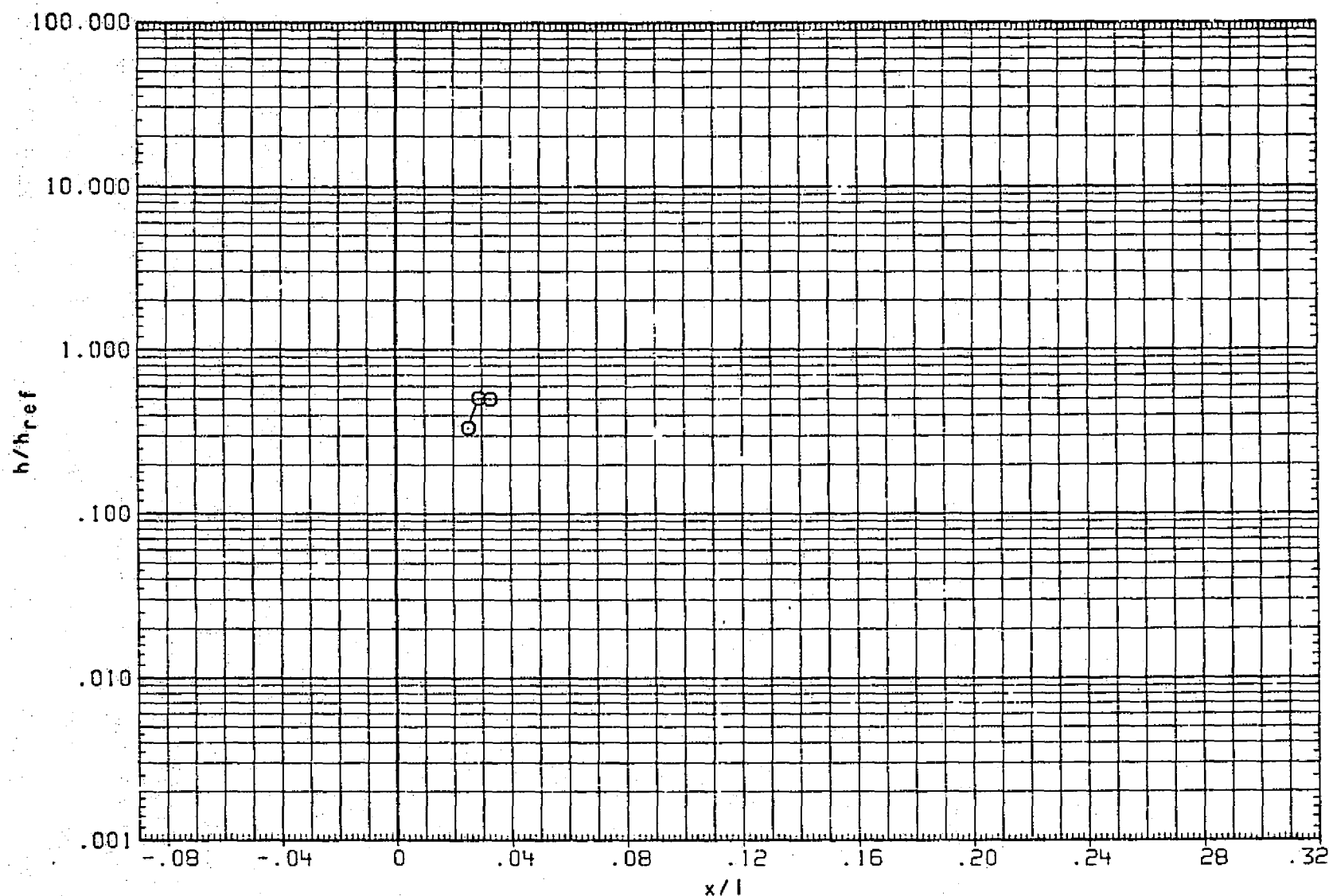


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 20.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

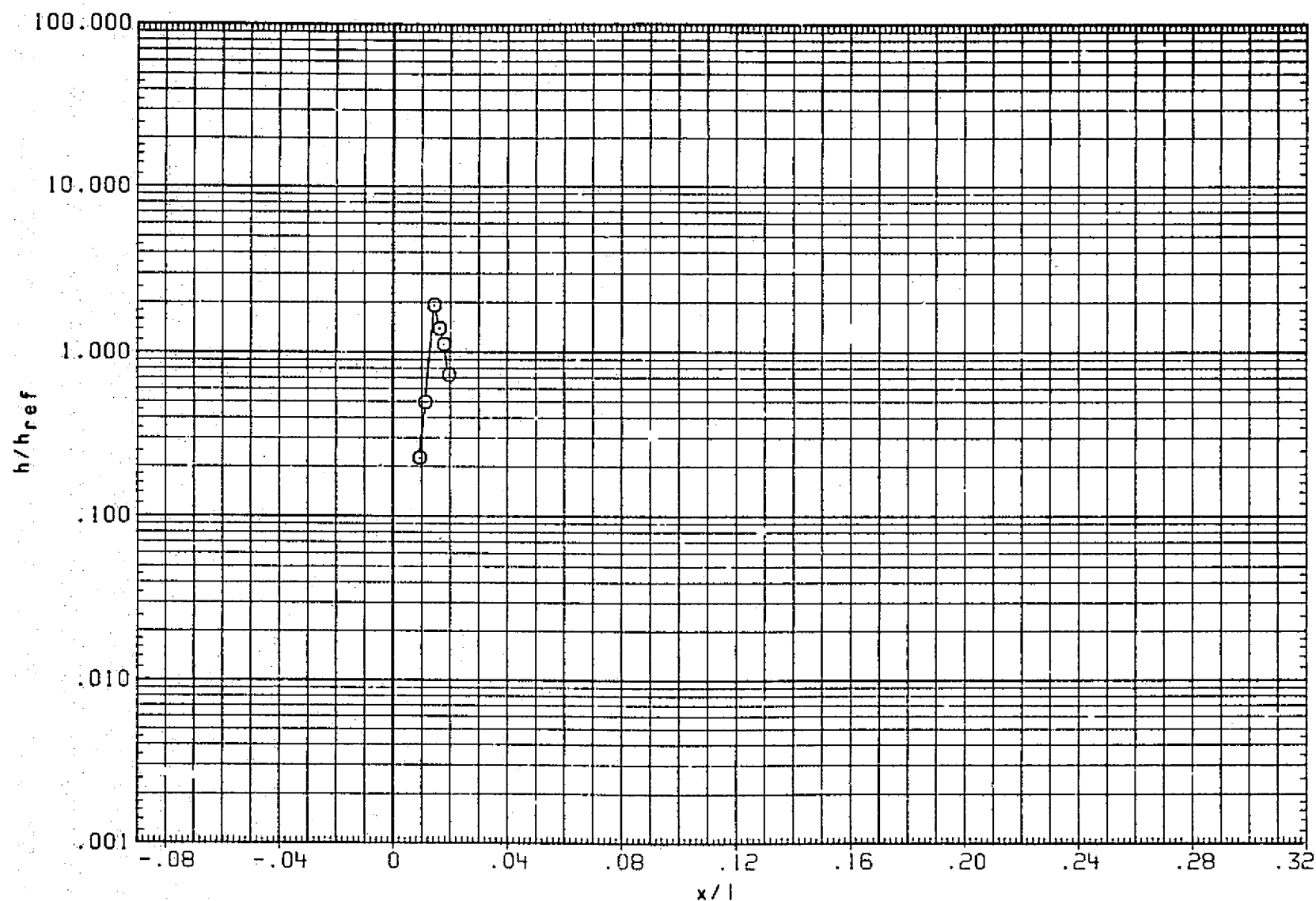


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 31.500



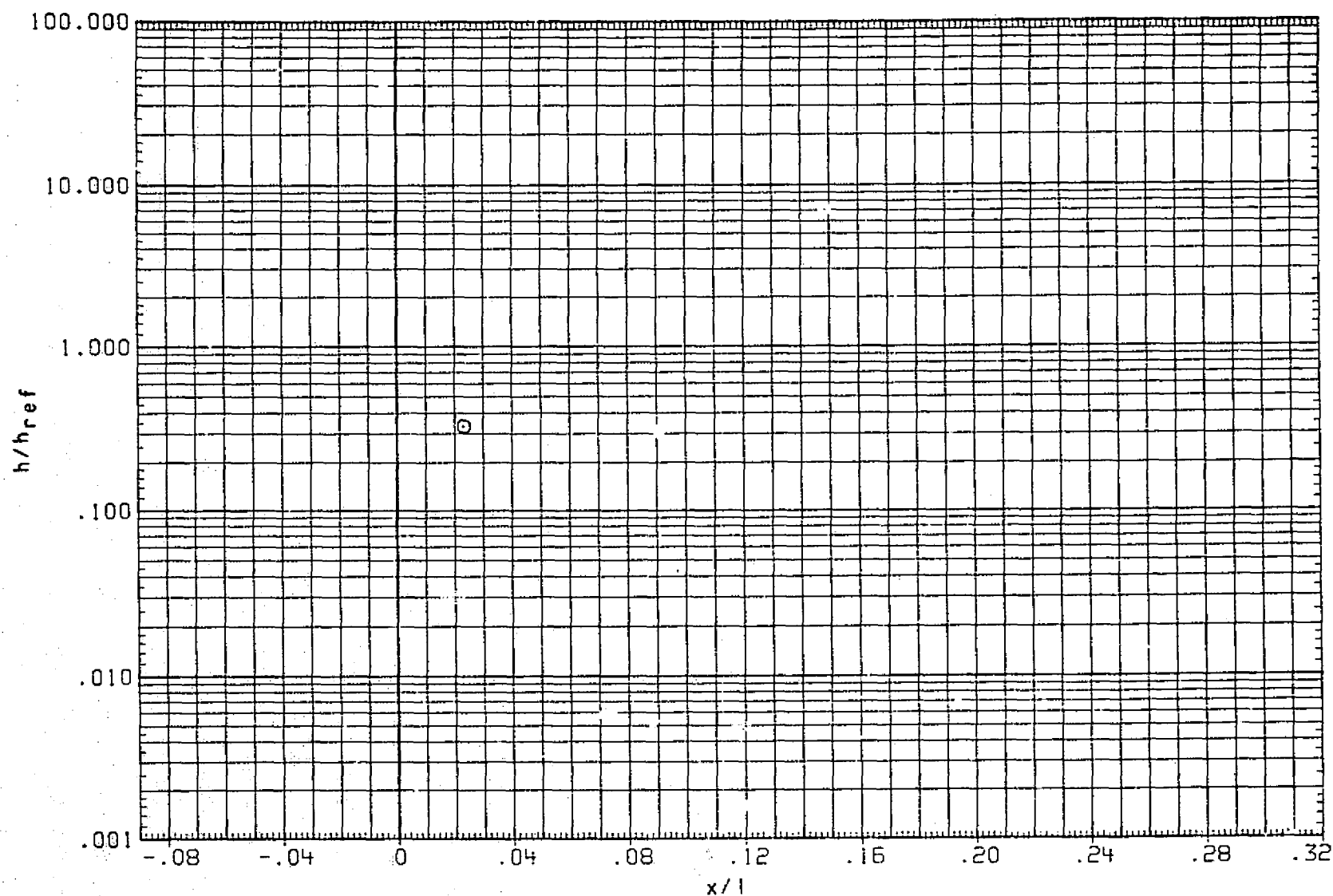


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 45.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUR

ALPHA BETA RN/L  
 .000 .000 1.500

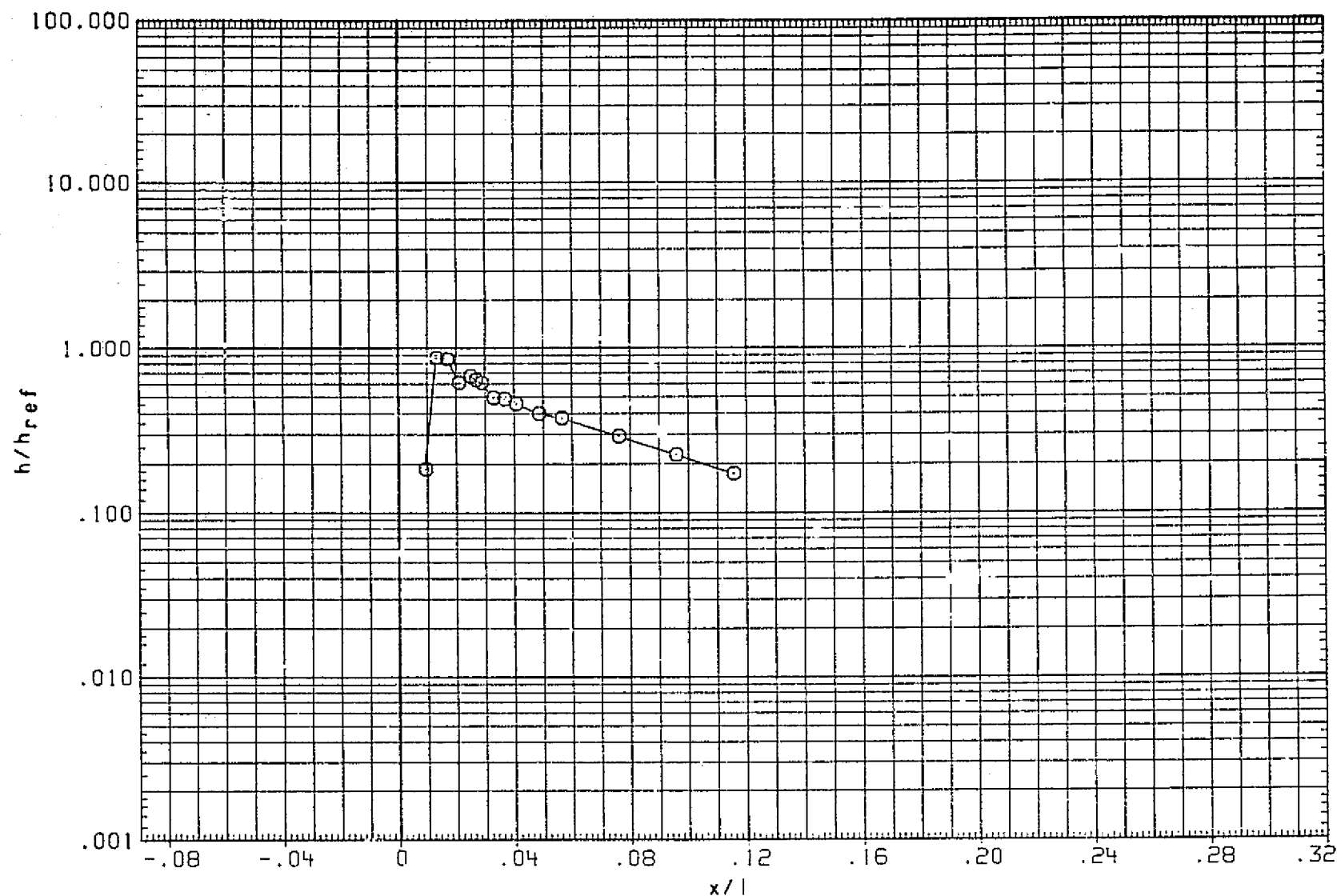


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 90.000

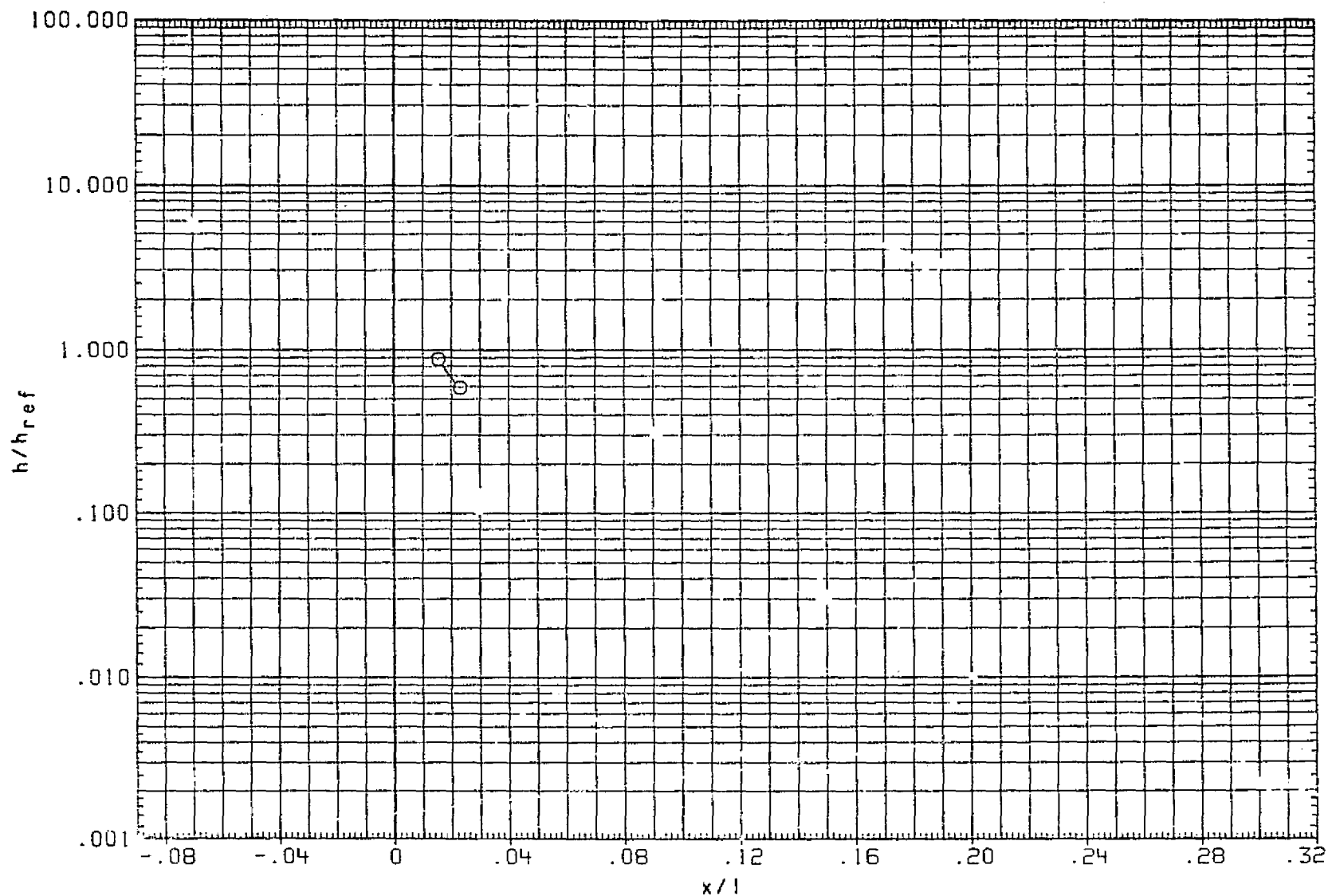


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01)  $\square$  ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

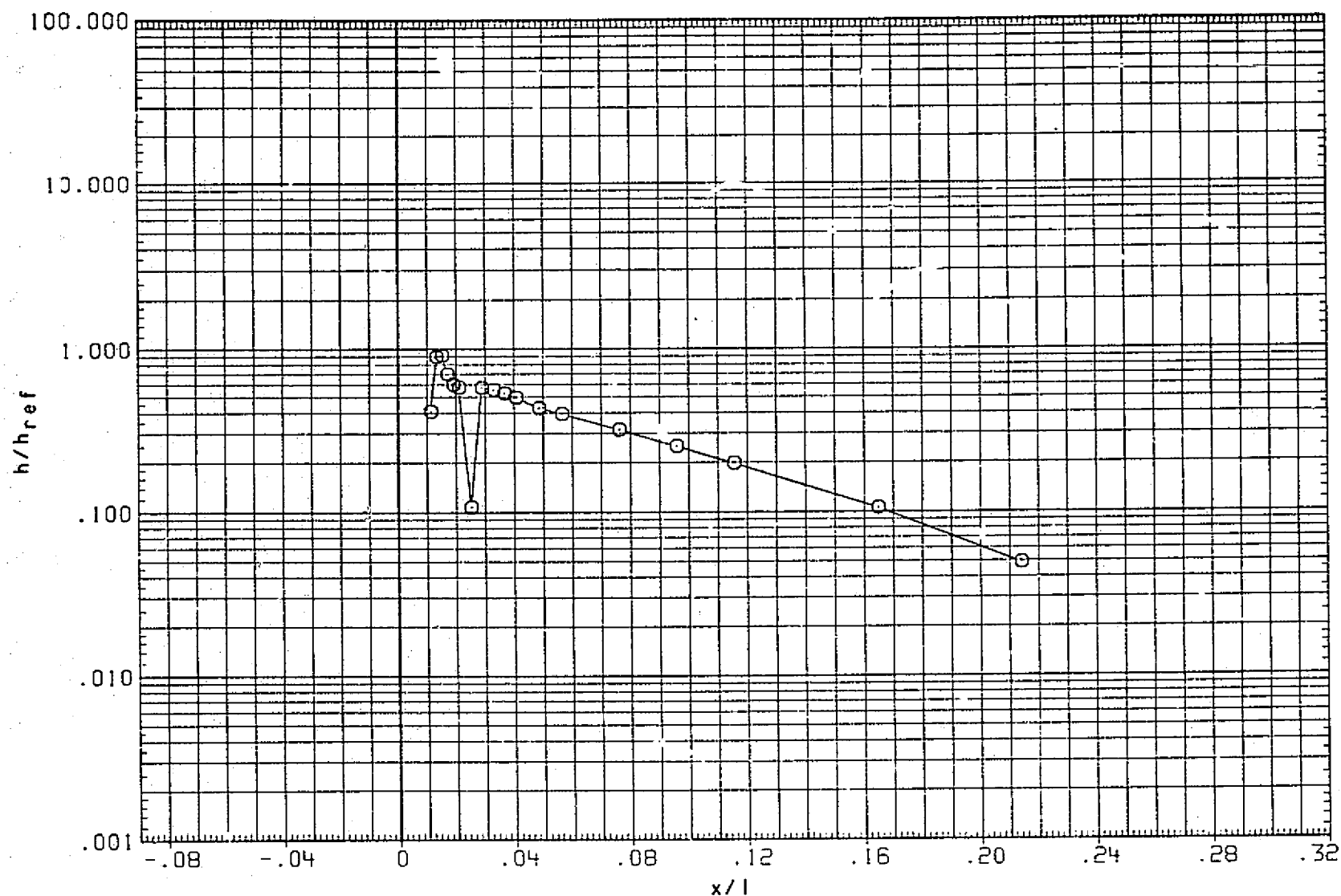


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 180.000

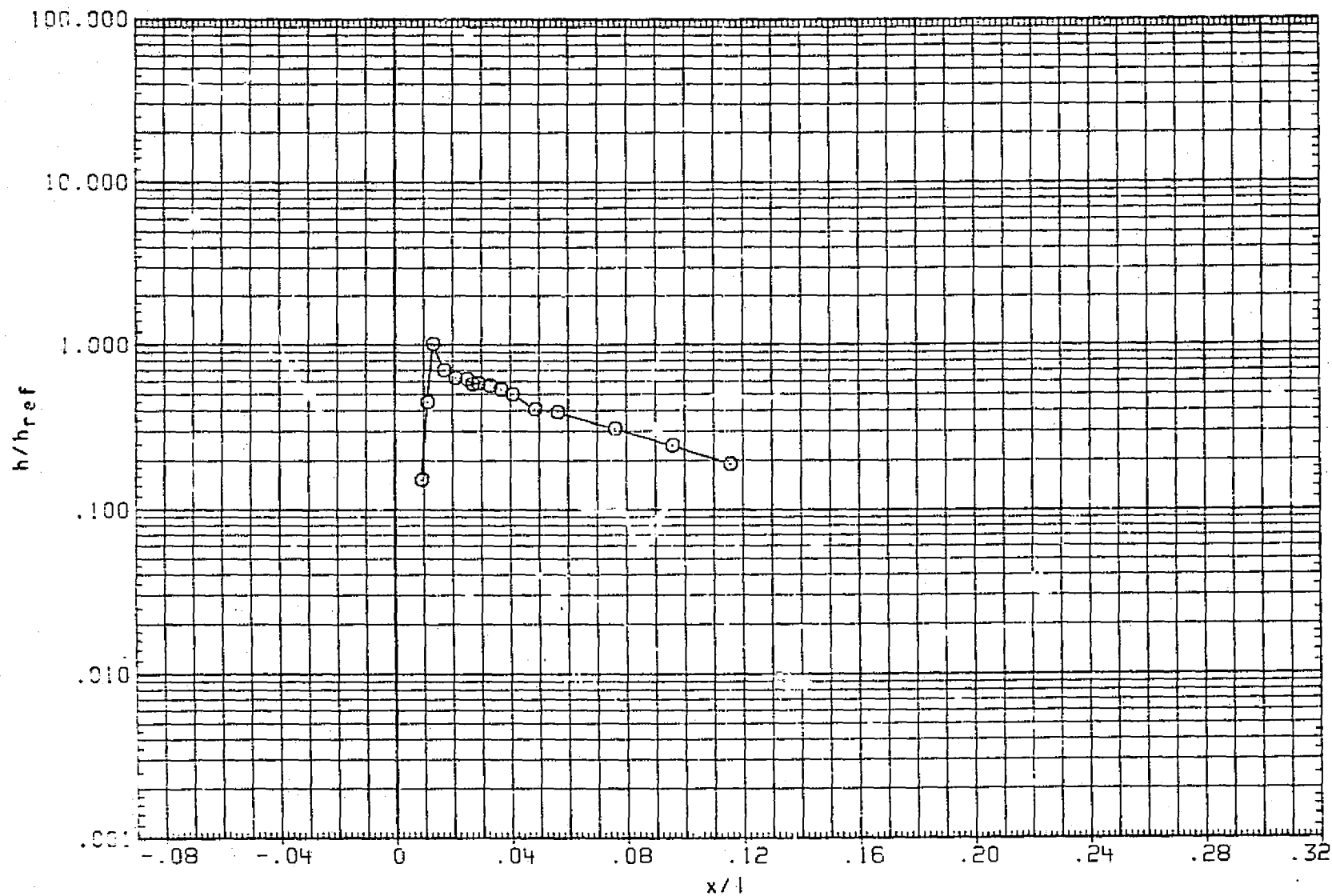


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 270.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

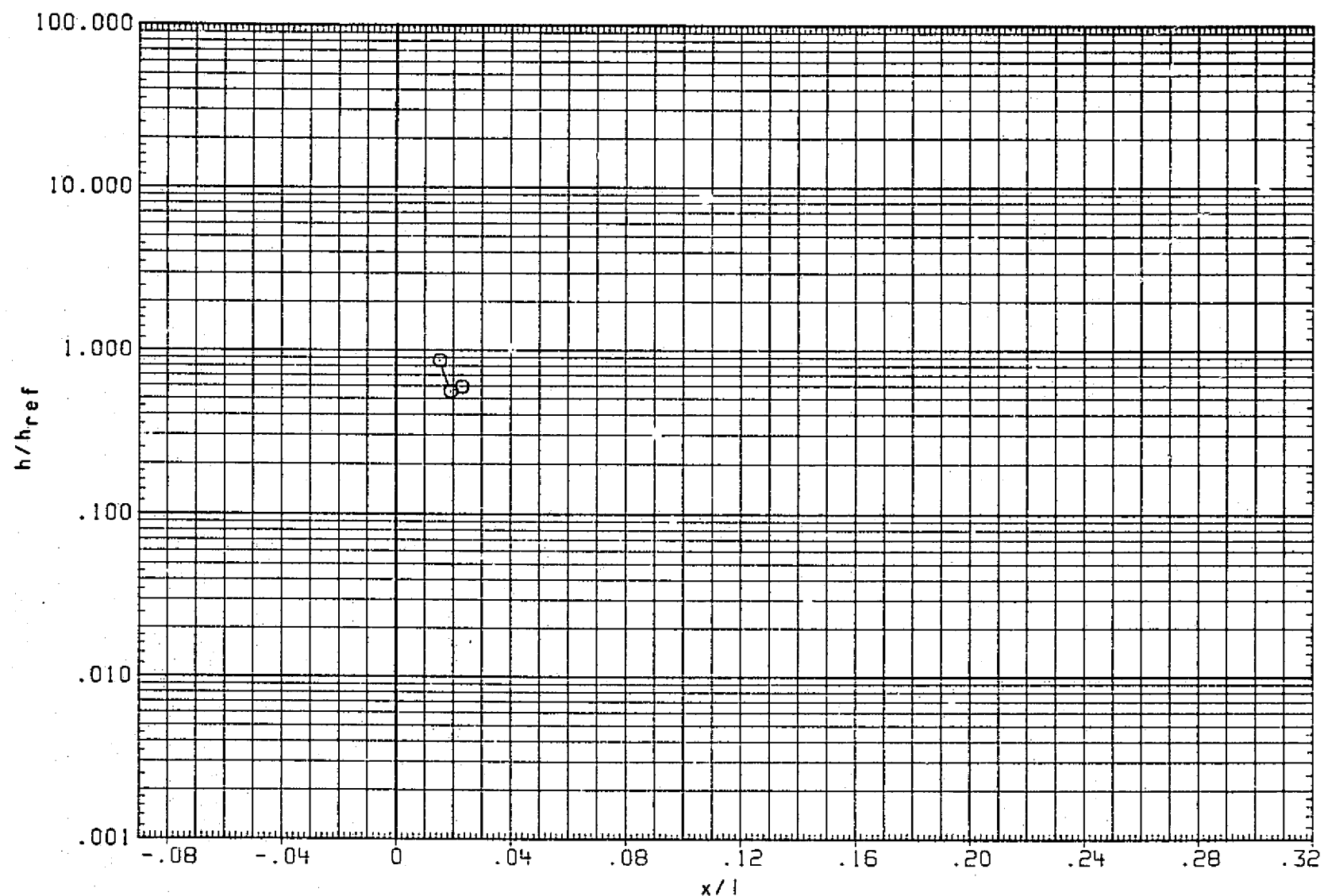


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = .900 THETA = 315.000

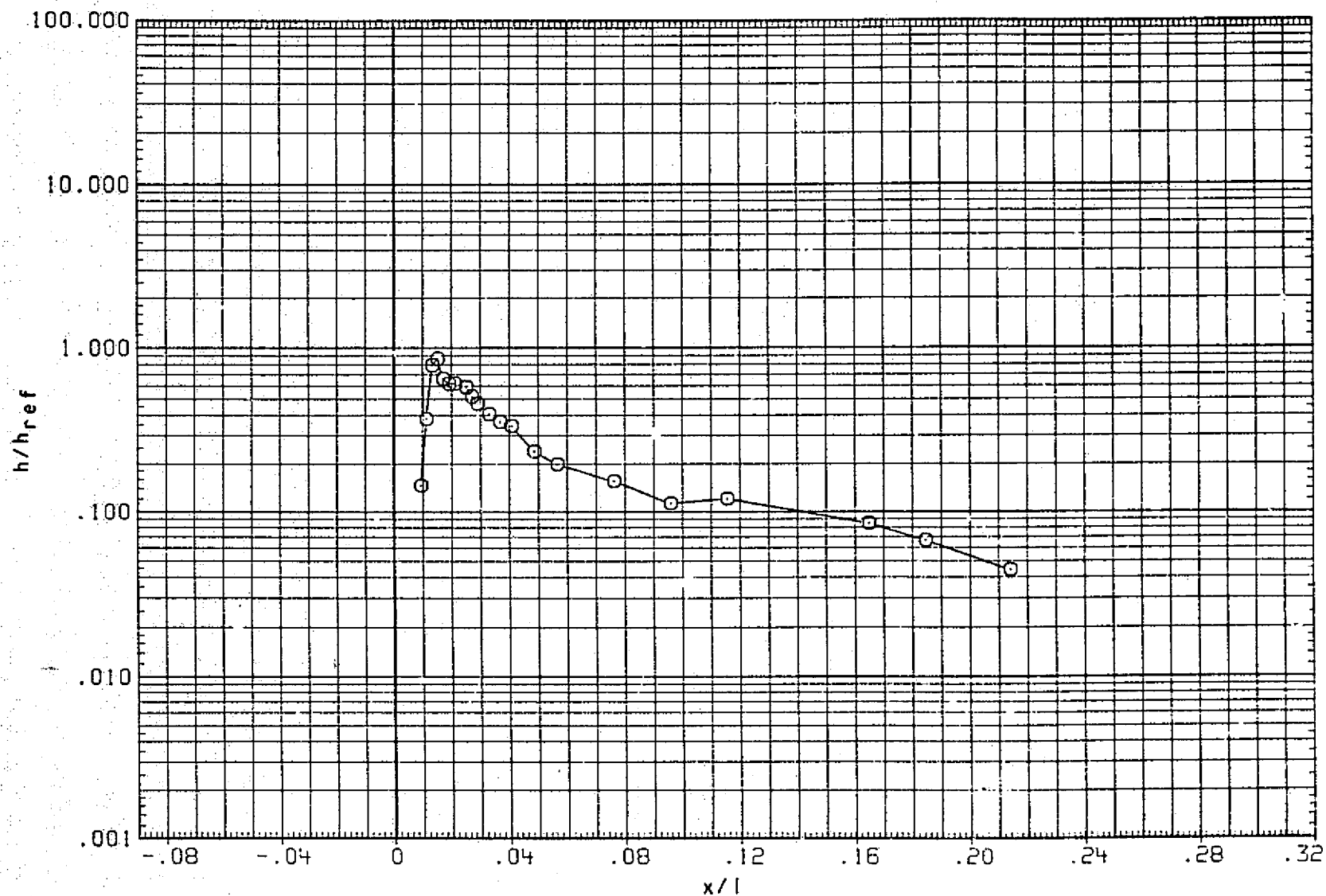


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (PNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BET: RN/L  
 .000 .000 1.500

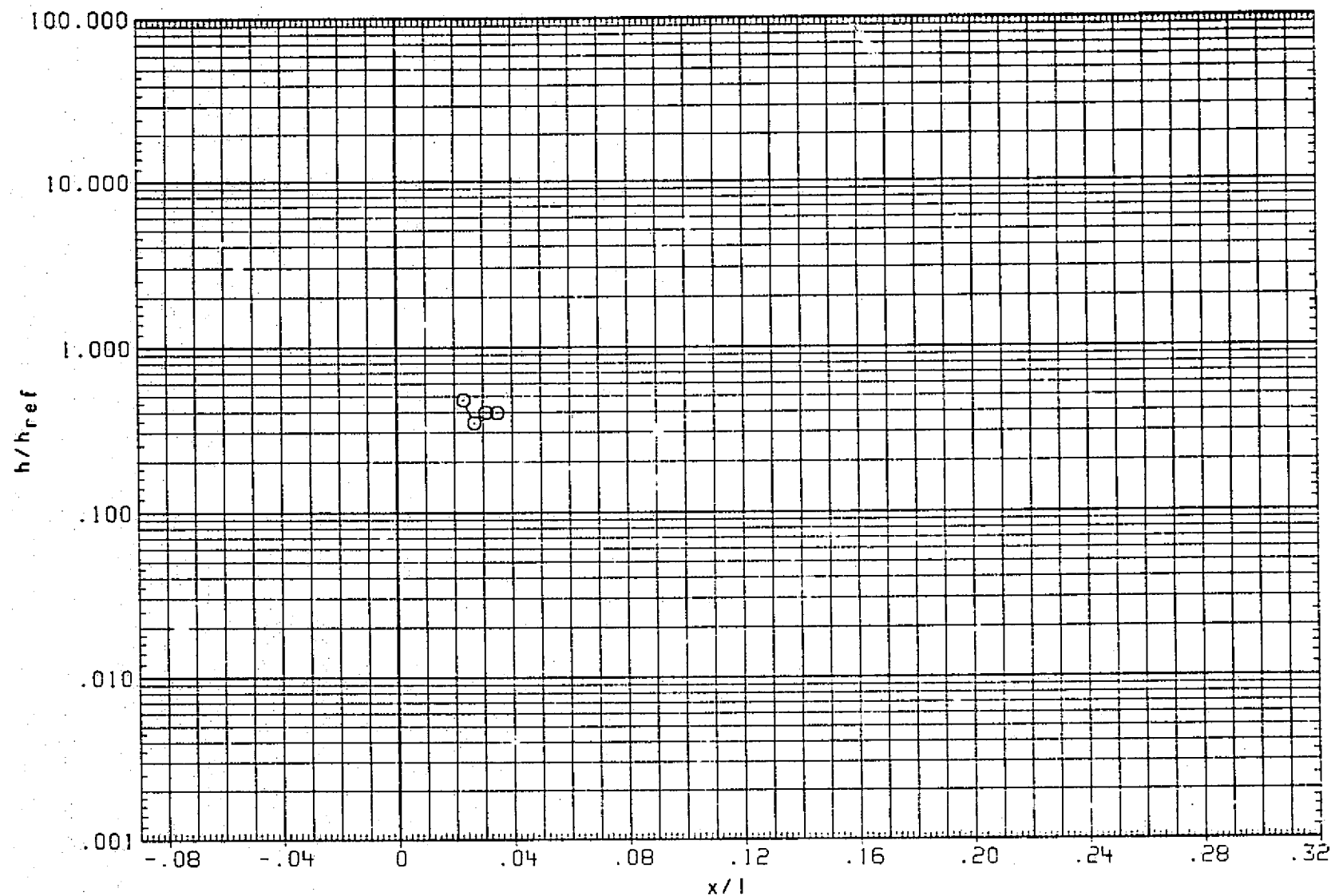


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 10.000



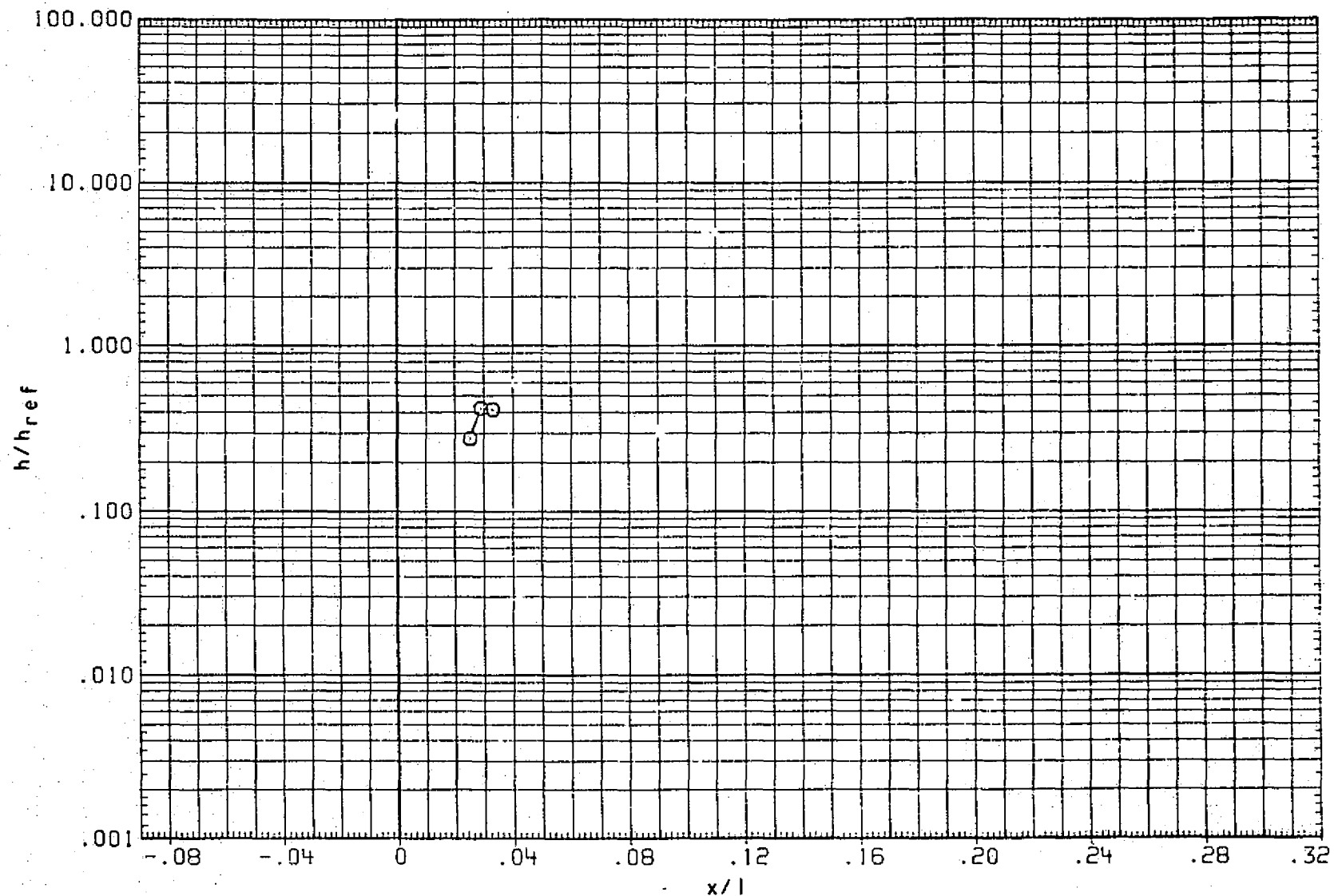


FIG. 17 TANK FOREBODY REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 20.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

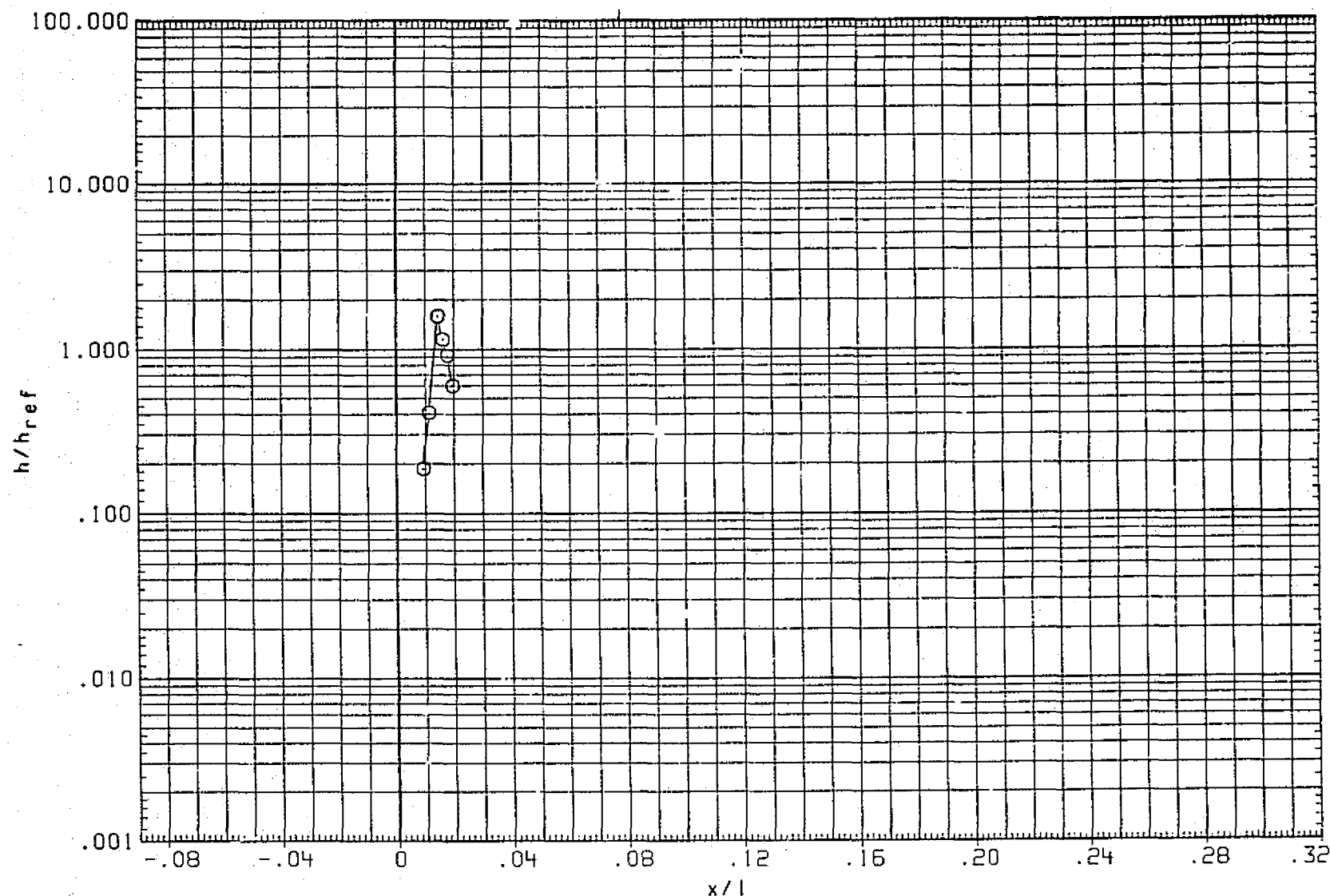


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 31.500

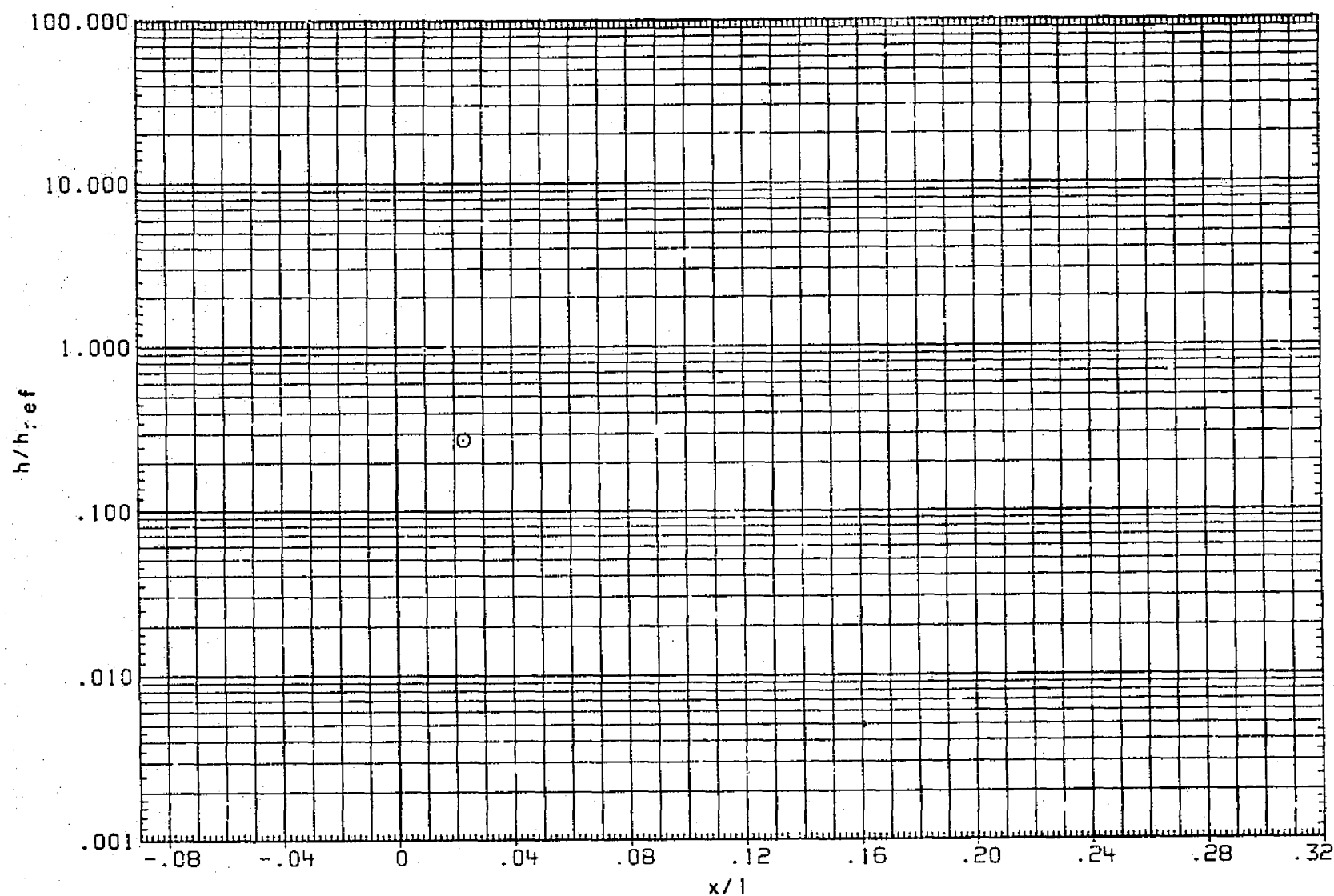


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 45.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

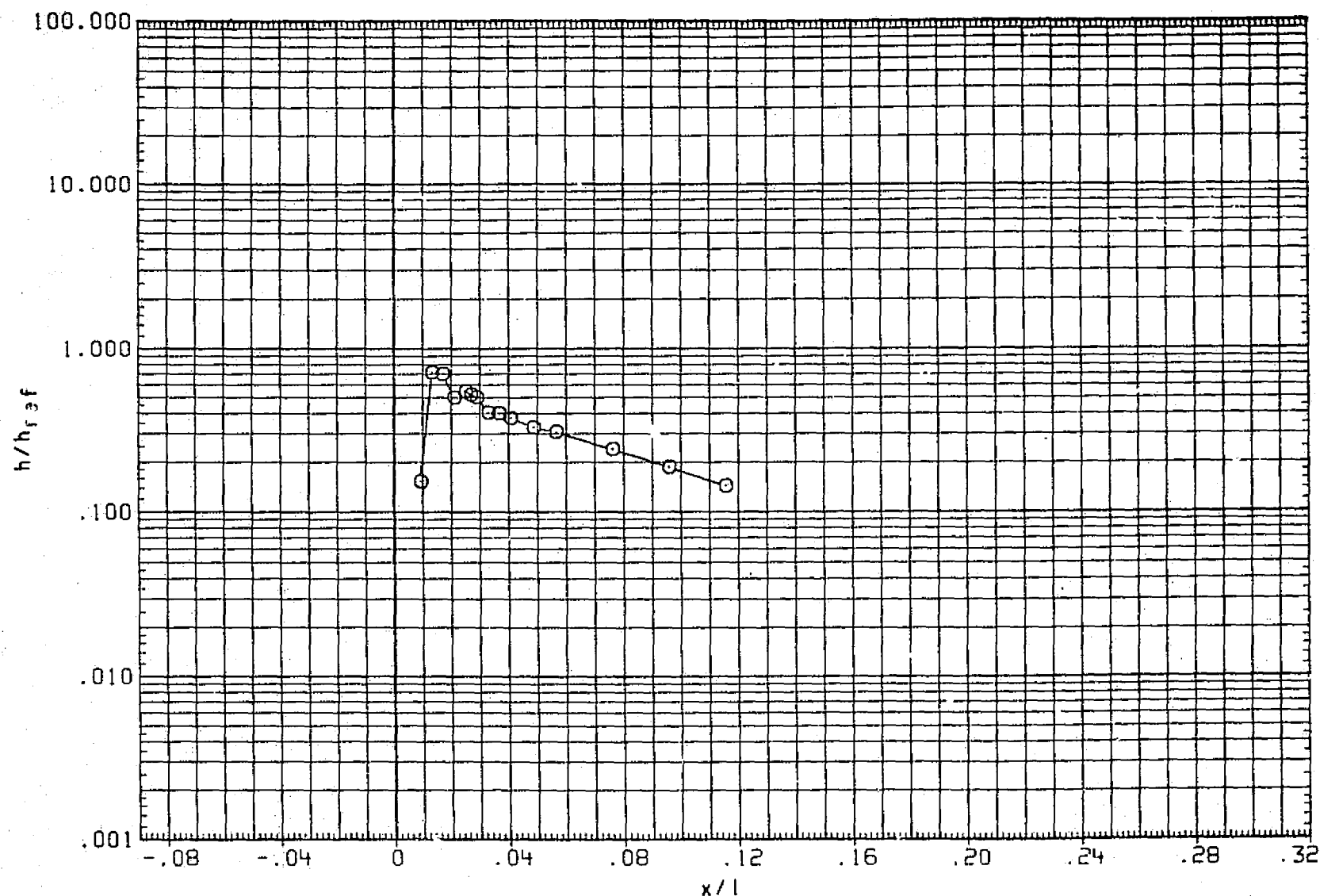


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 90.000

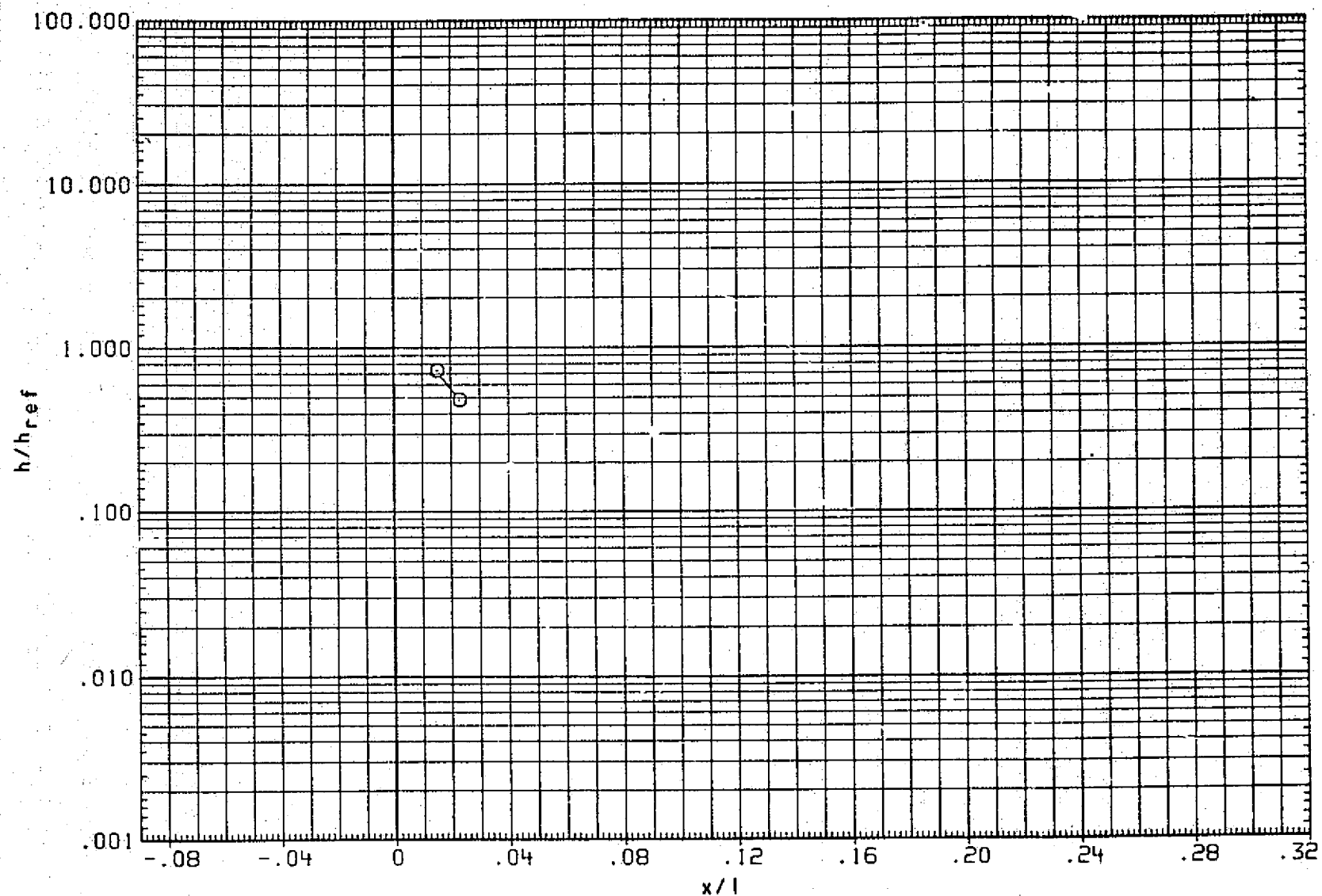


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

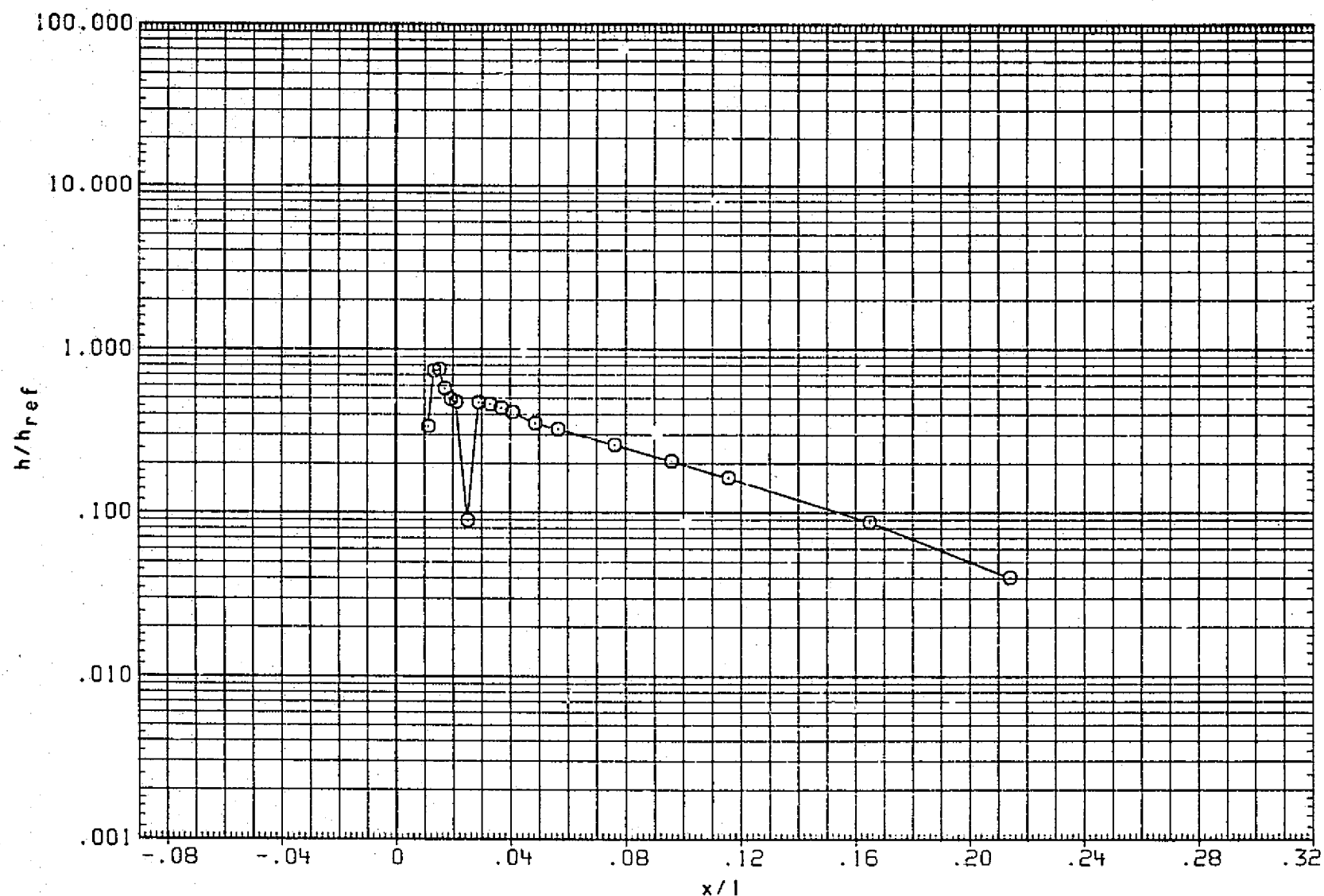


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 180.000

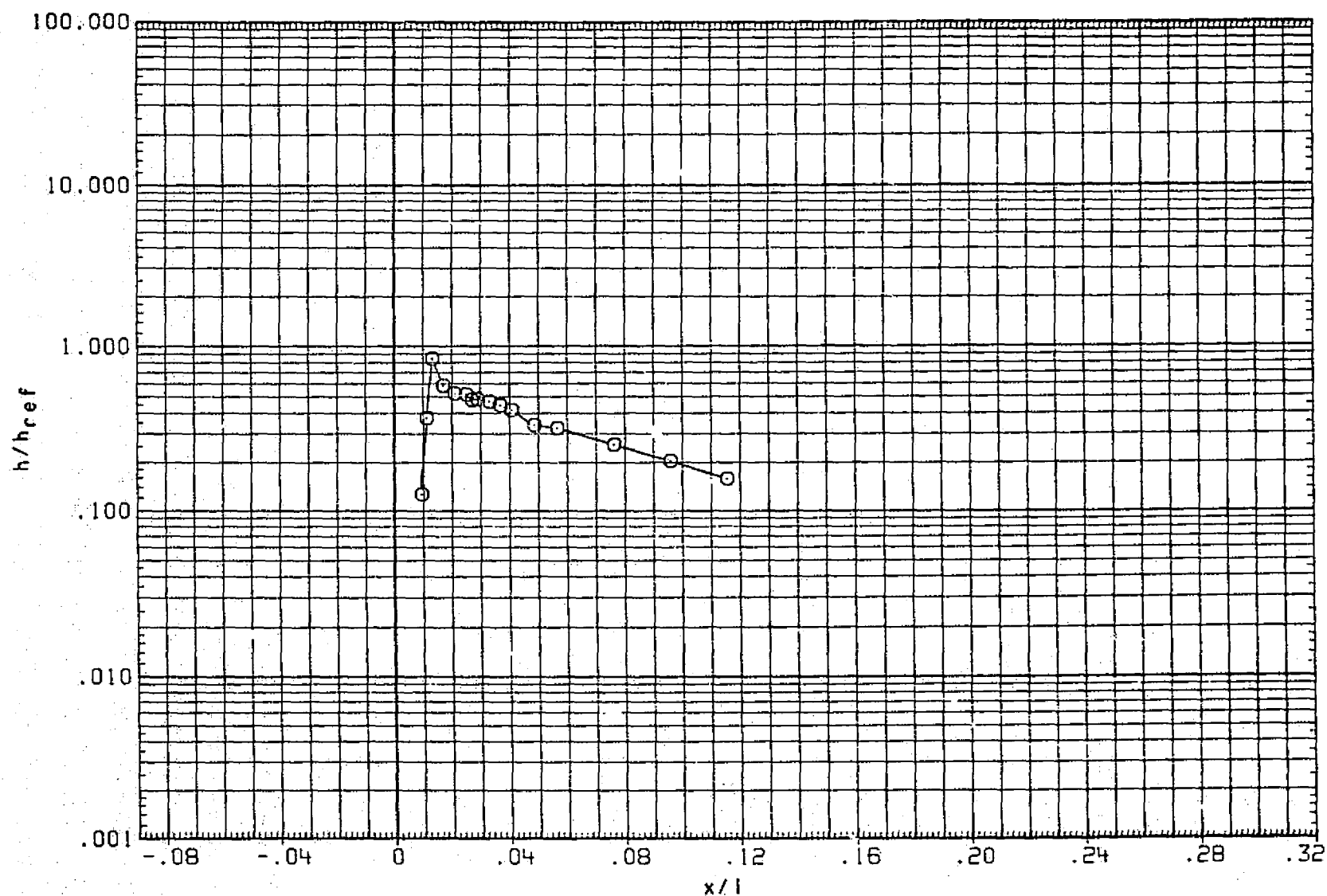


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 270.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT01) O ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA BETA RN/L  
 .000 .000 1.500

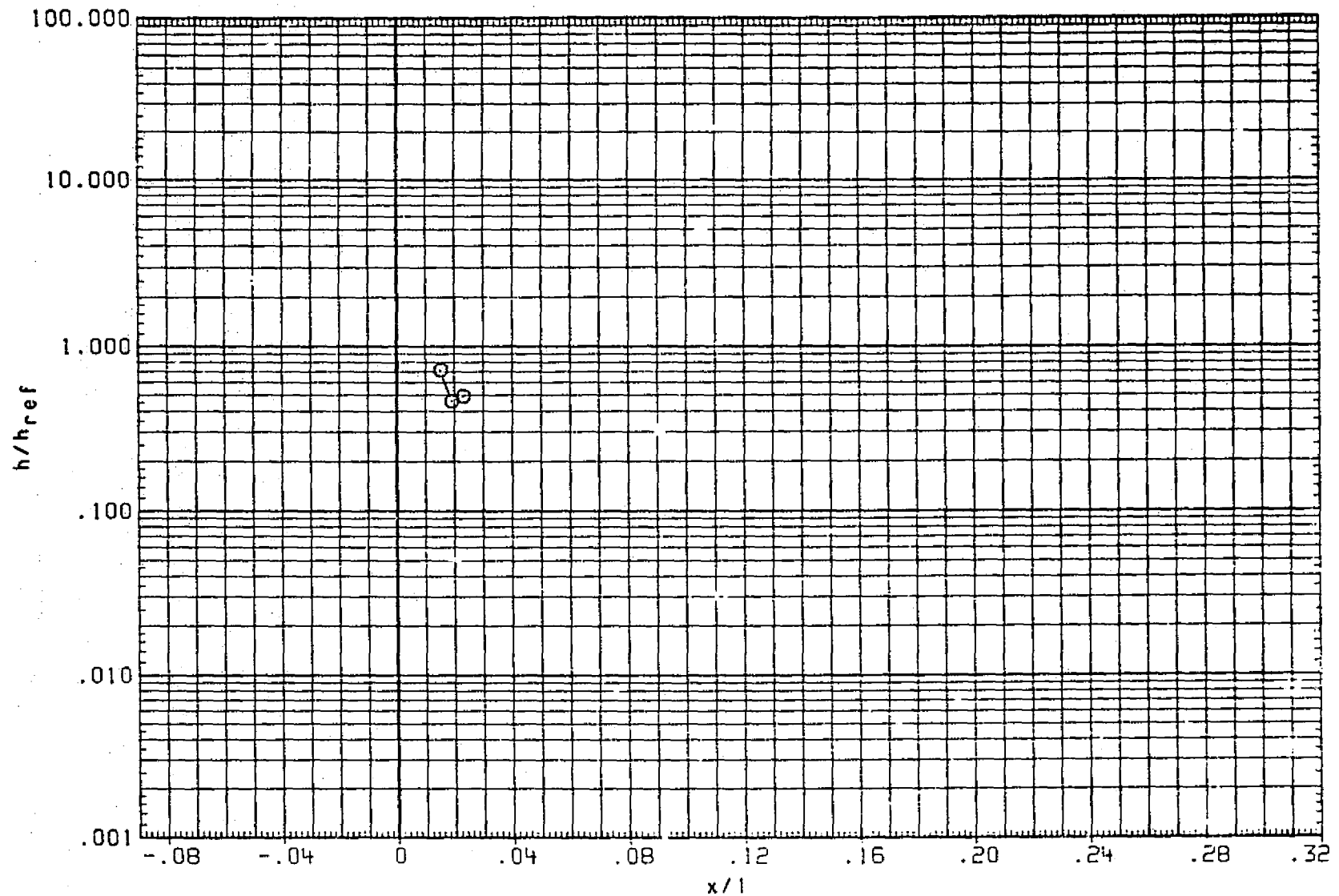


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.200 HAW/HT = 1.000 THETA = 315.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
IRNTT03	○	ARC3.5-2.5(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
IRNTT05	□	ARC3.5-2.5(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

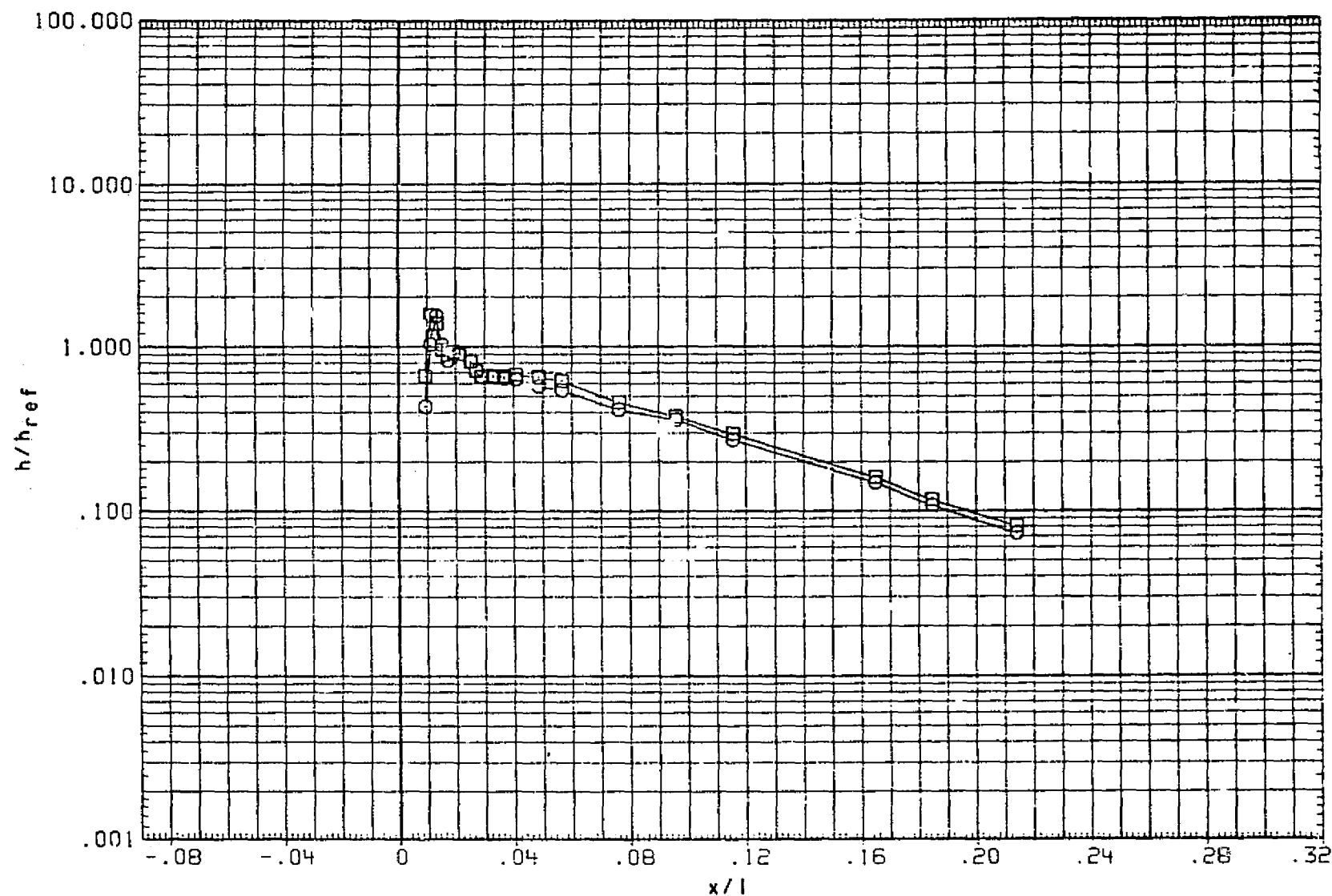


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = .000

PAGE 1510

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

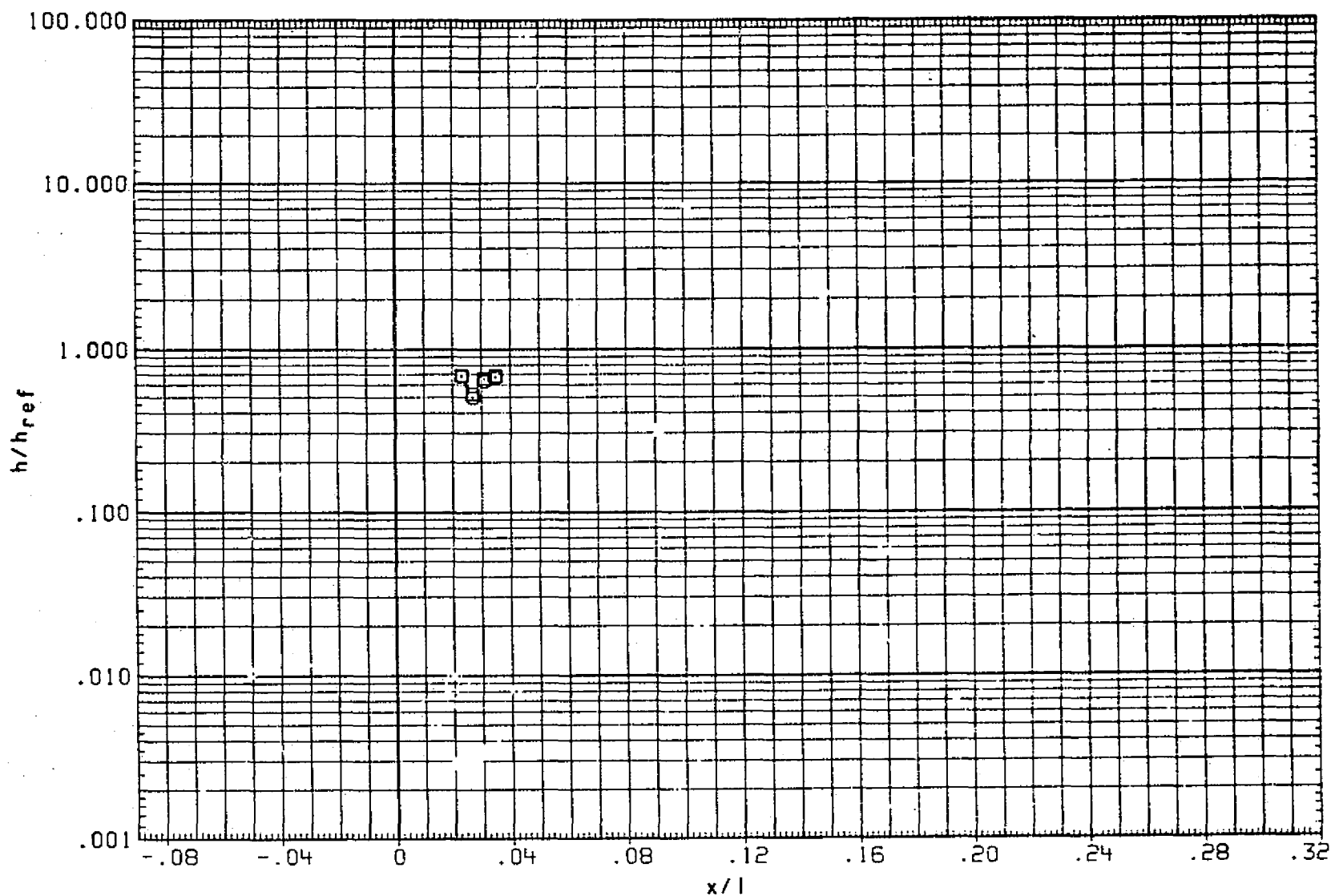


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)1C/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

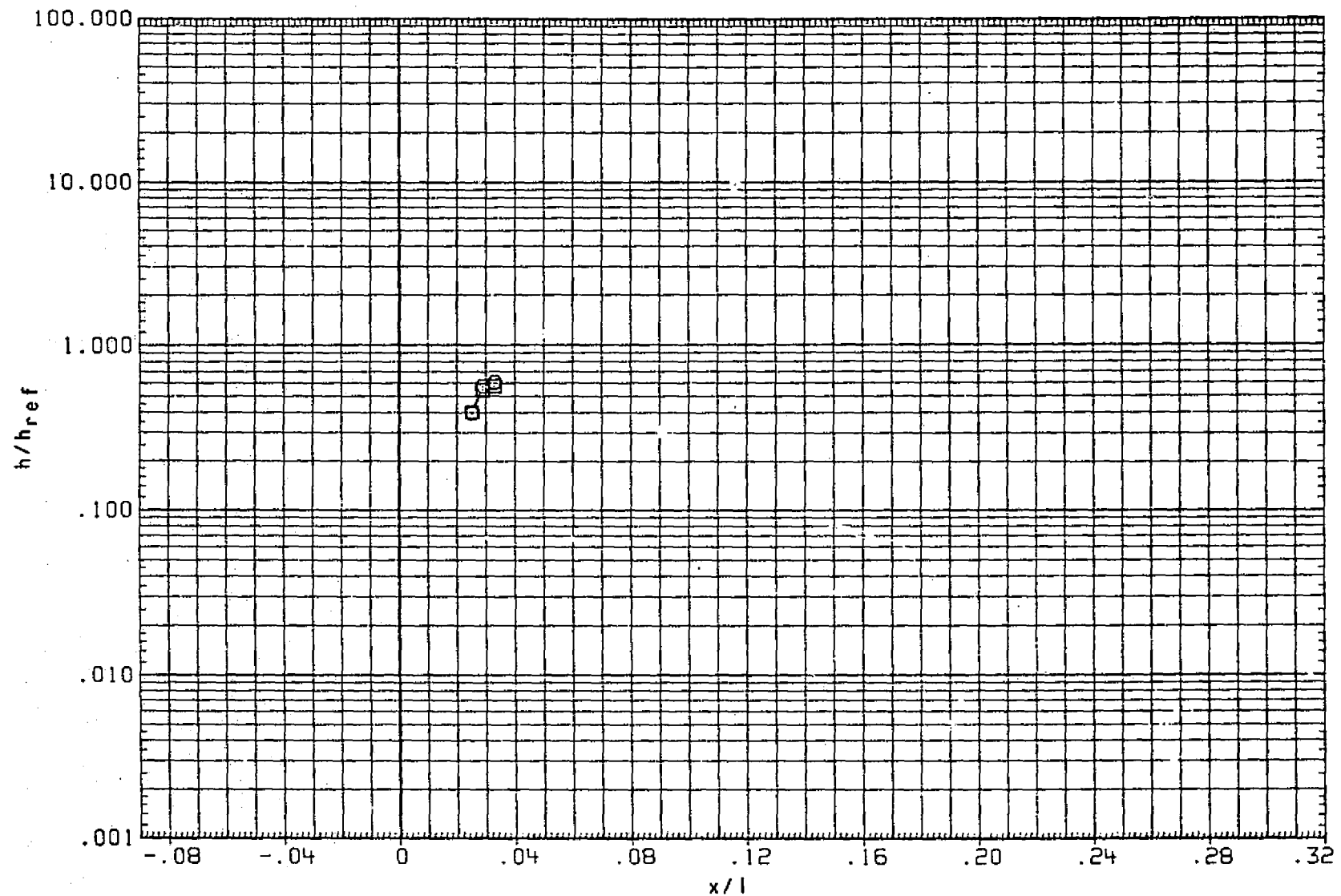


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1512

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

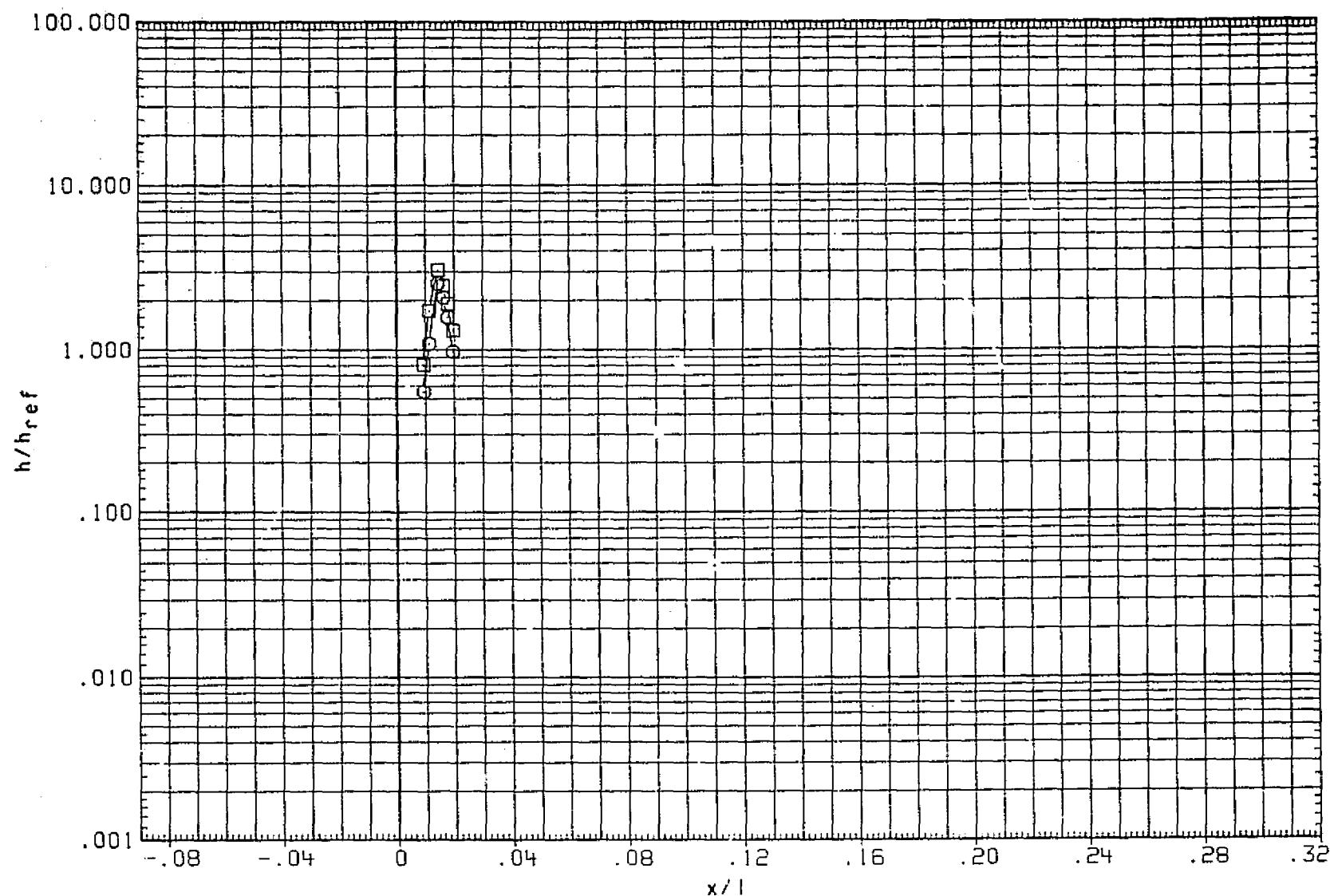


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALP-1A	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

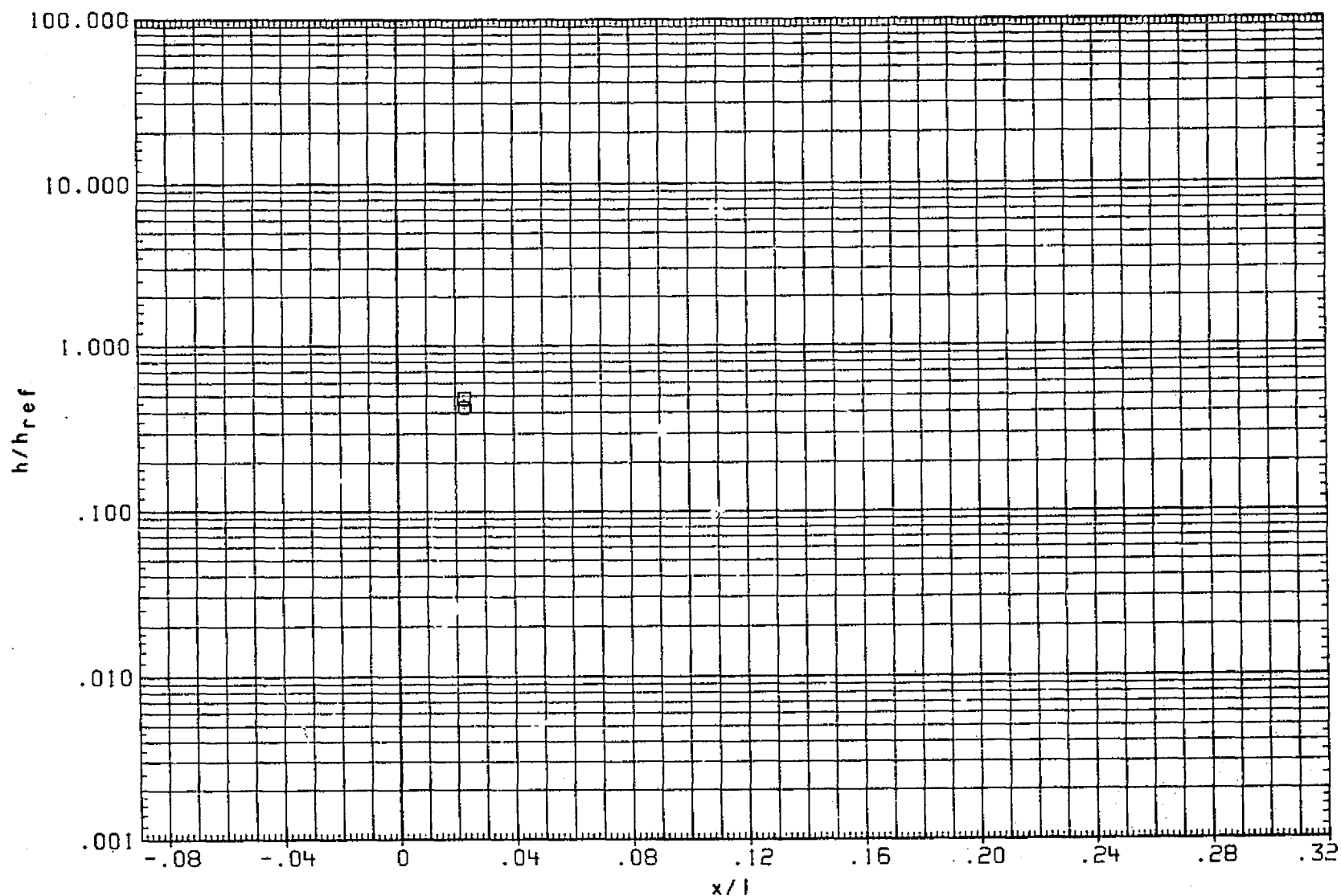


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

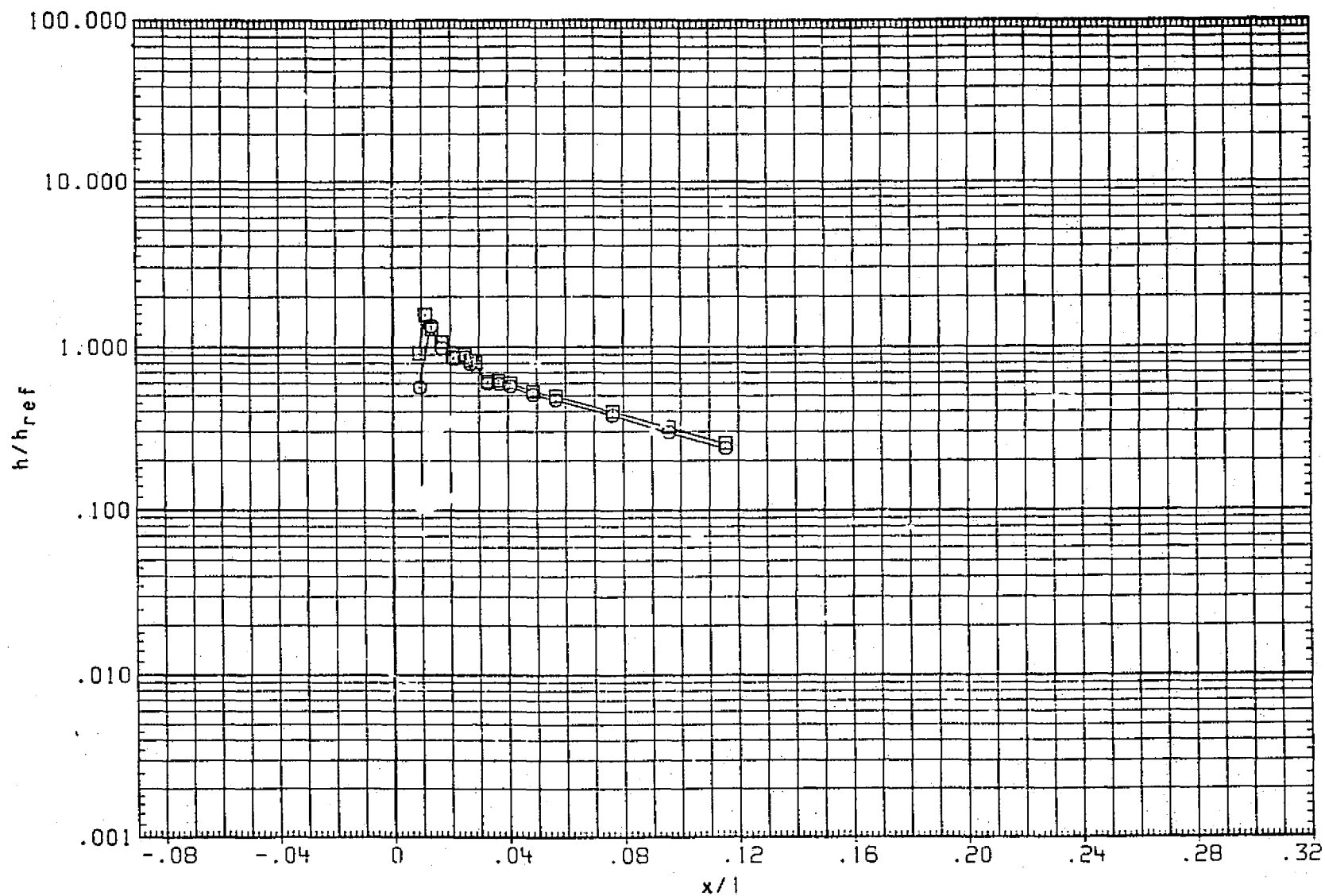


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

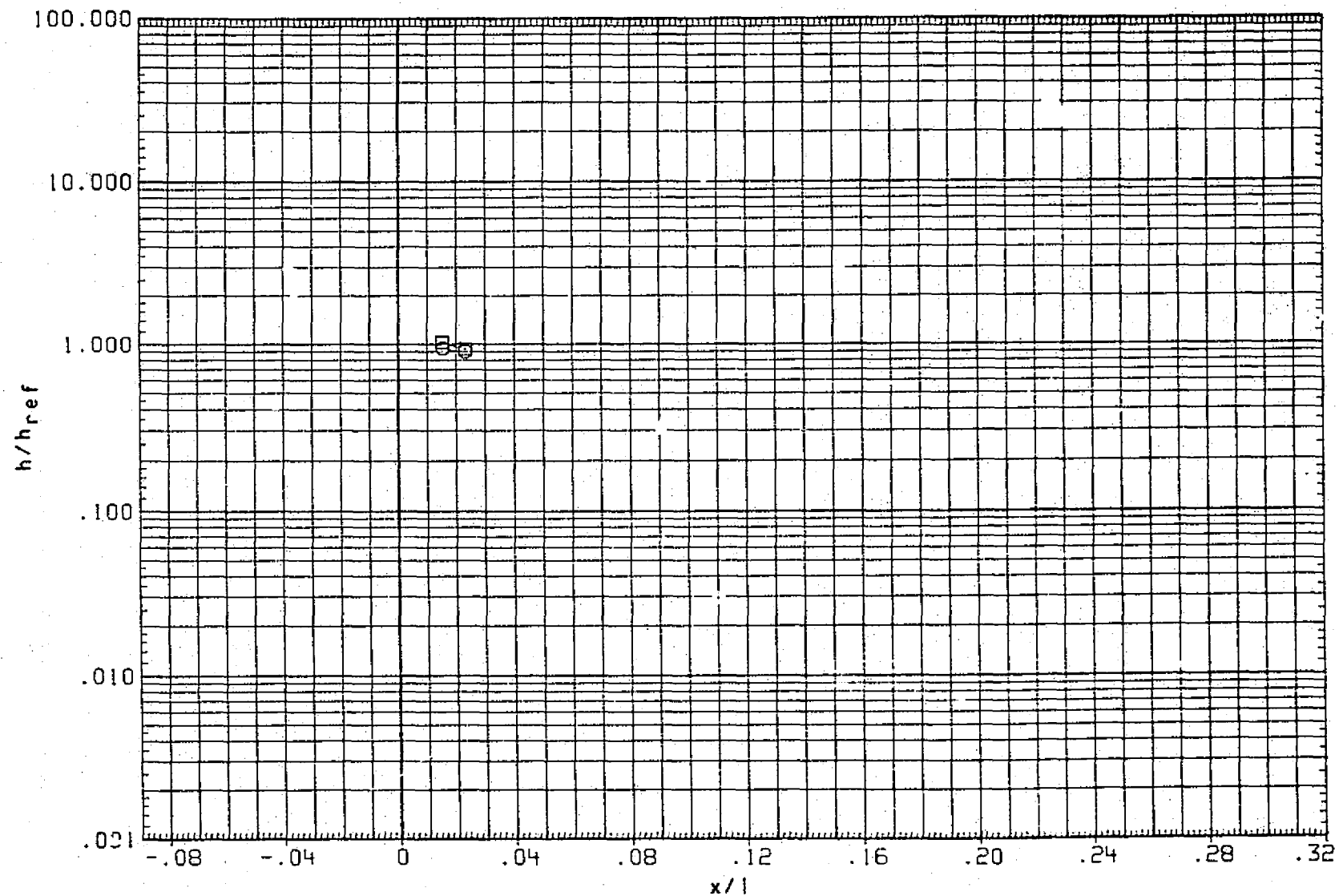


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

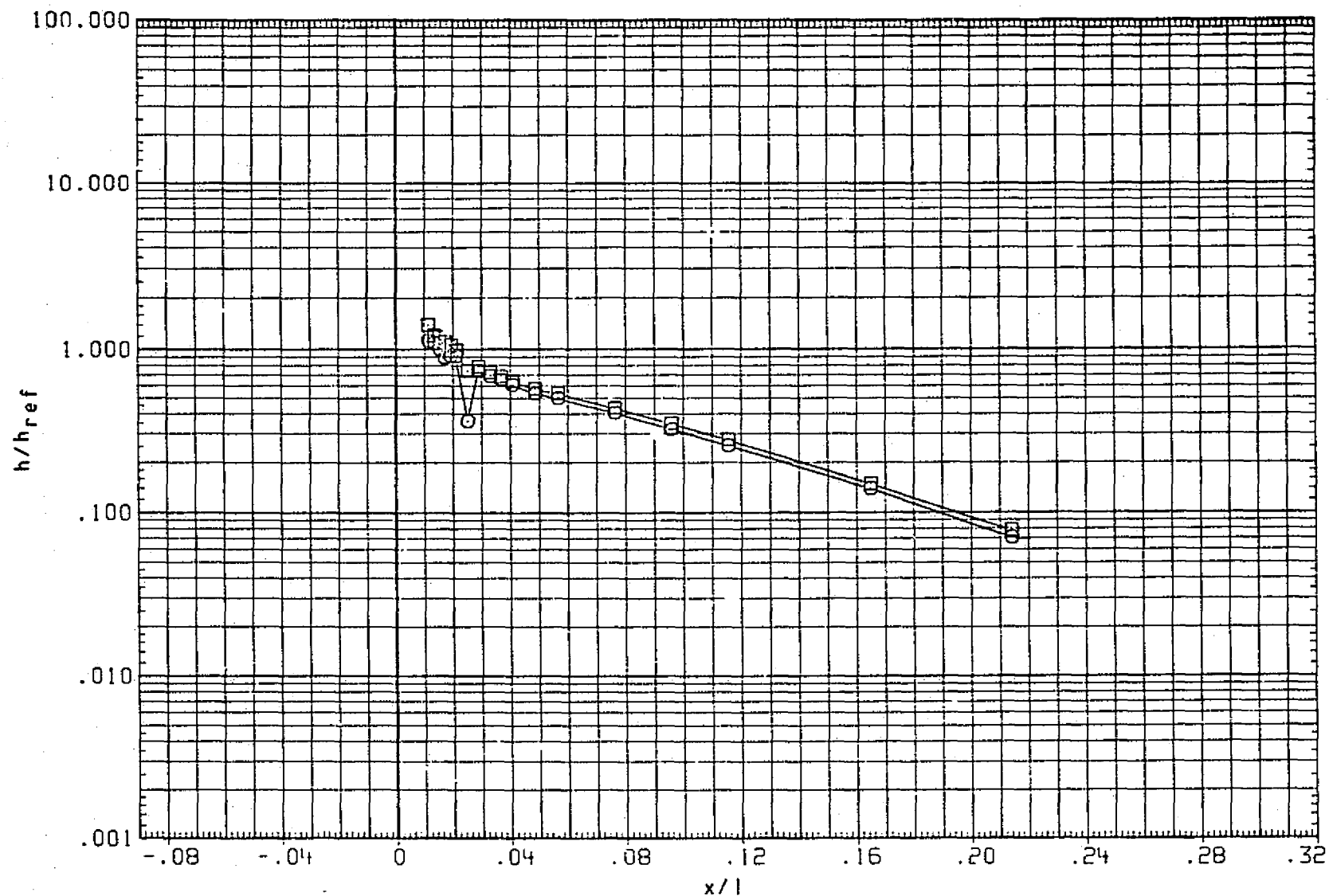


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 180.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

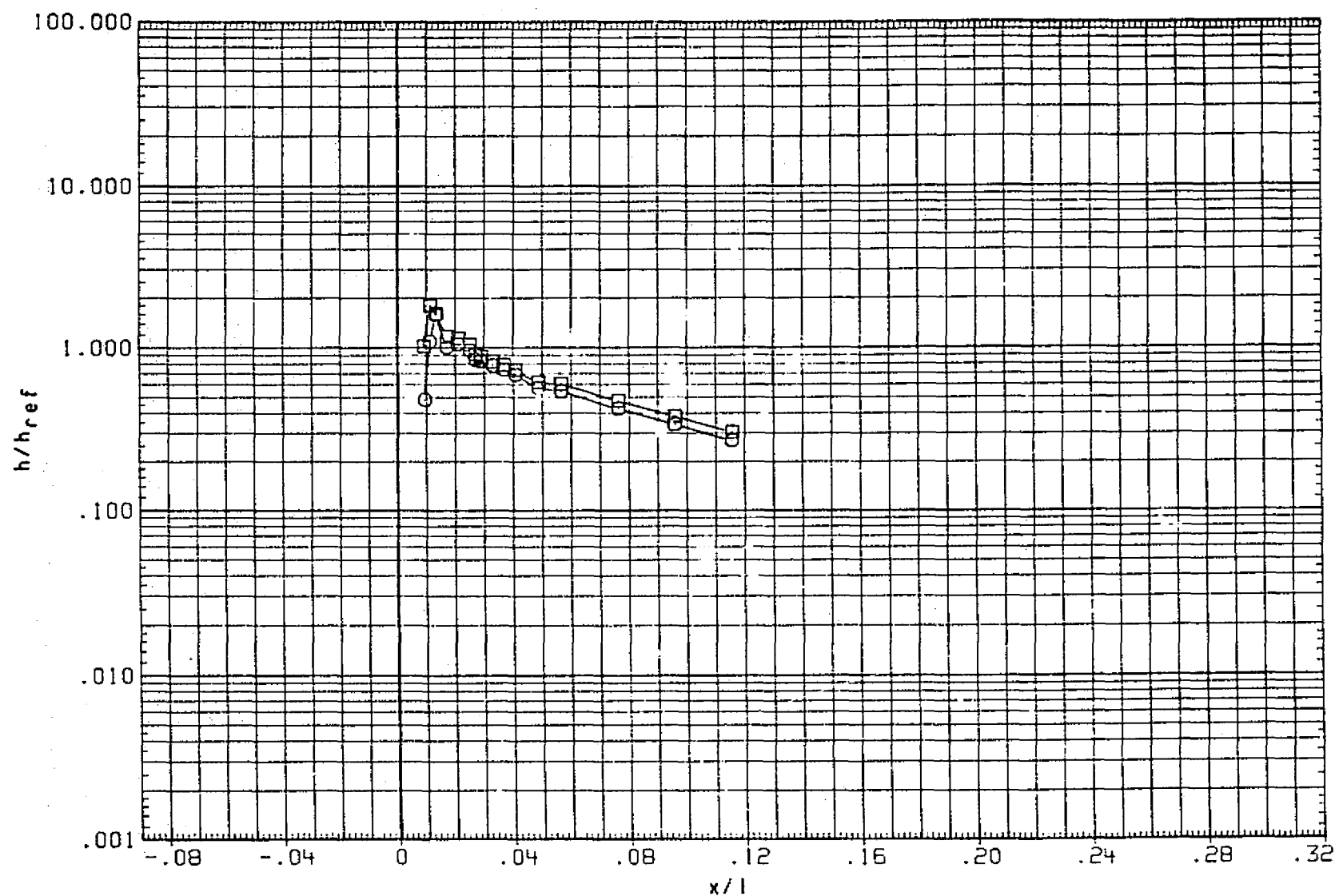


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1518

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

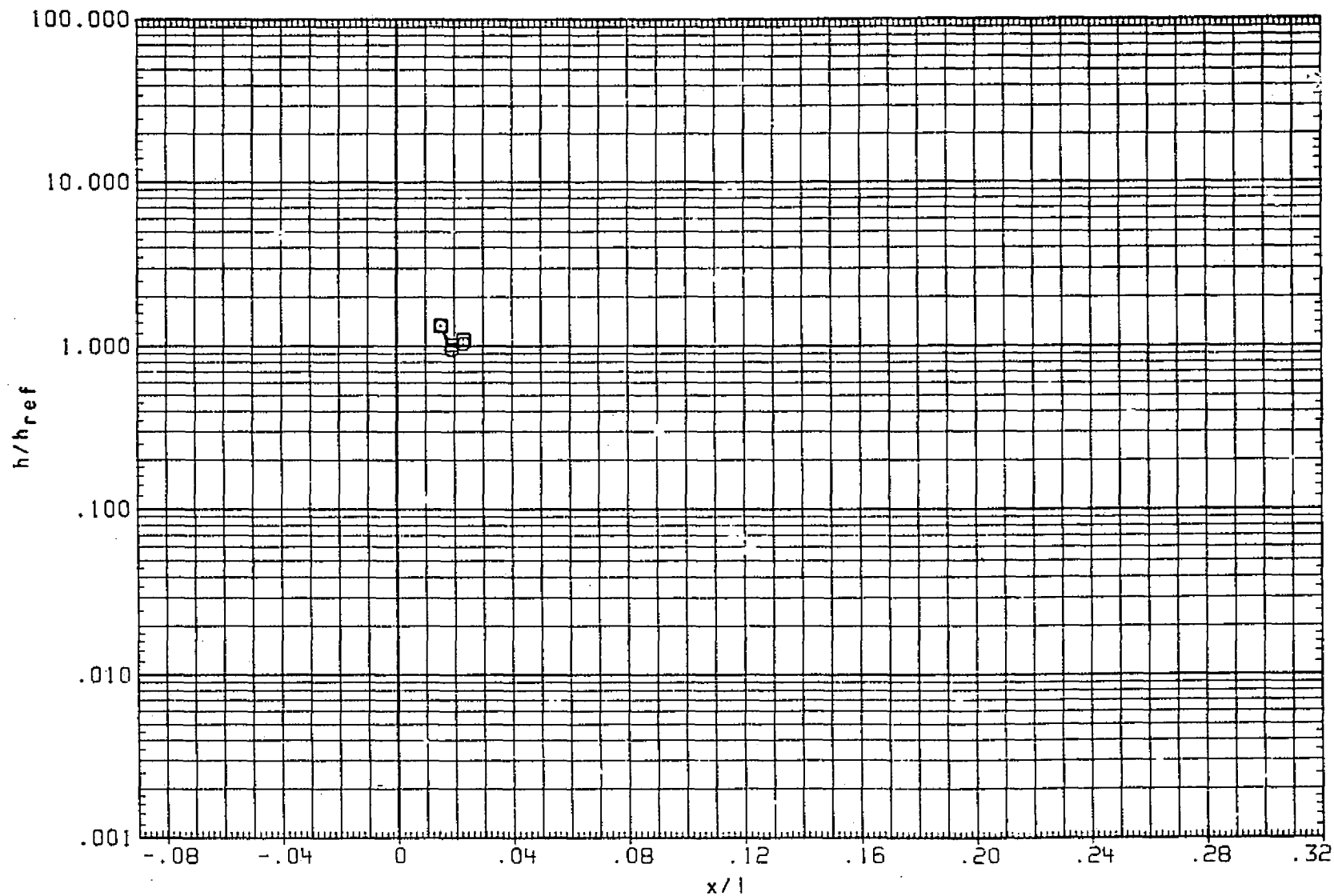


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .850 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

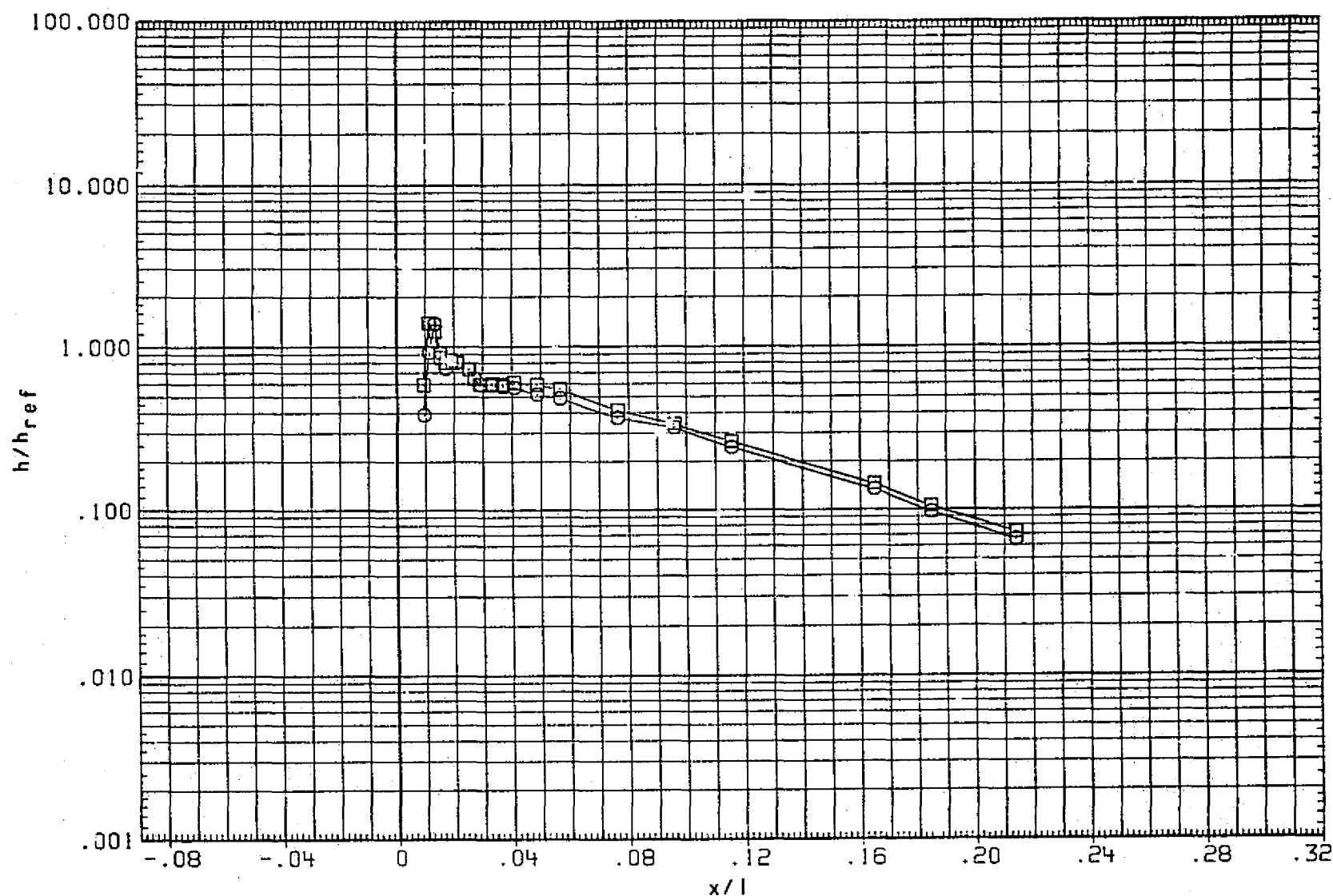


FIG. 17 TANK FOREBODY,

REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

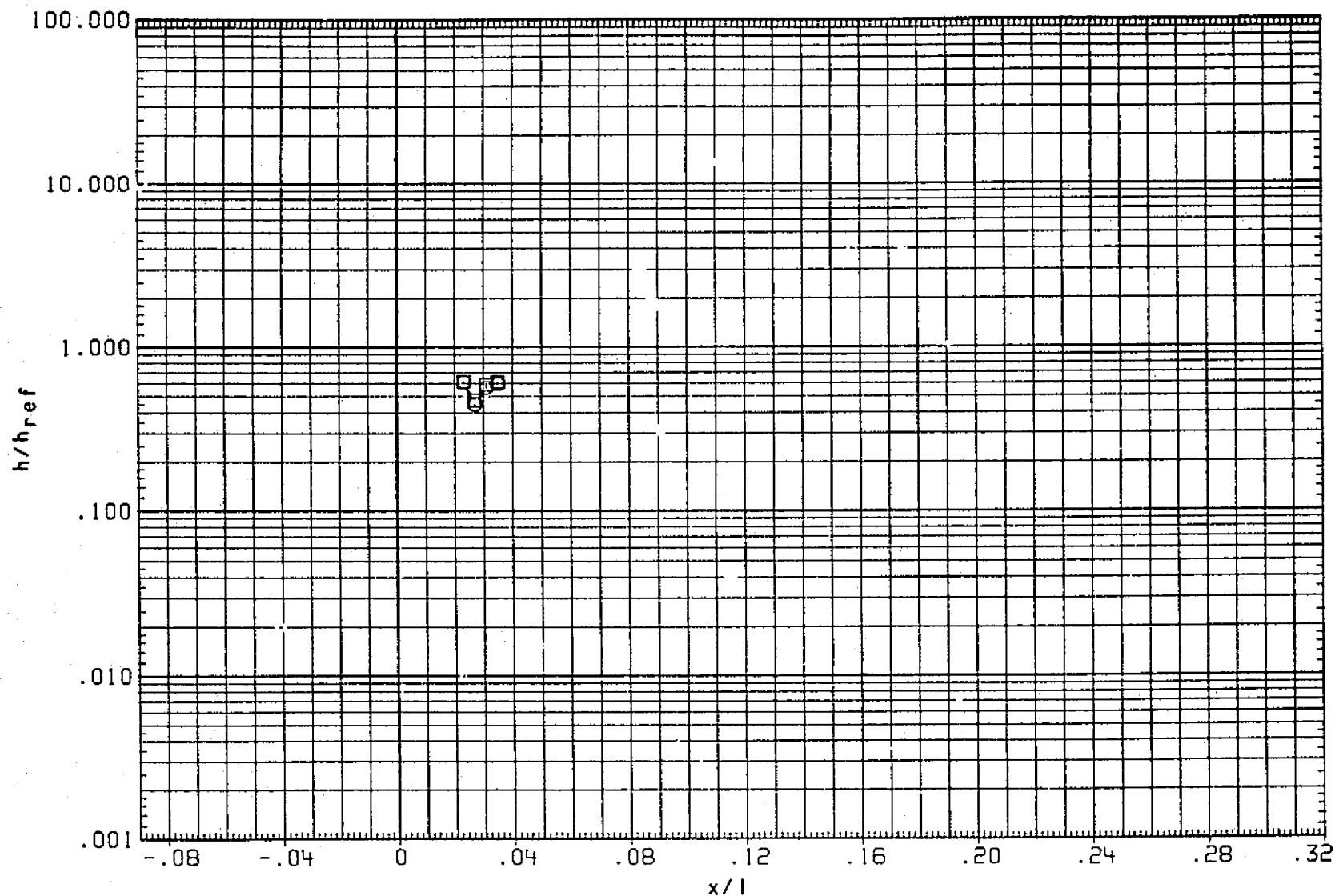


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 10.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

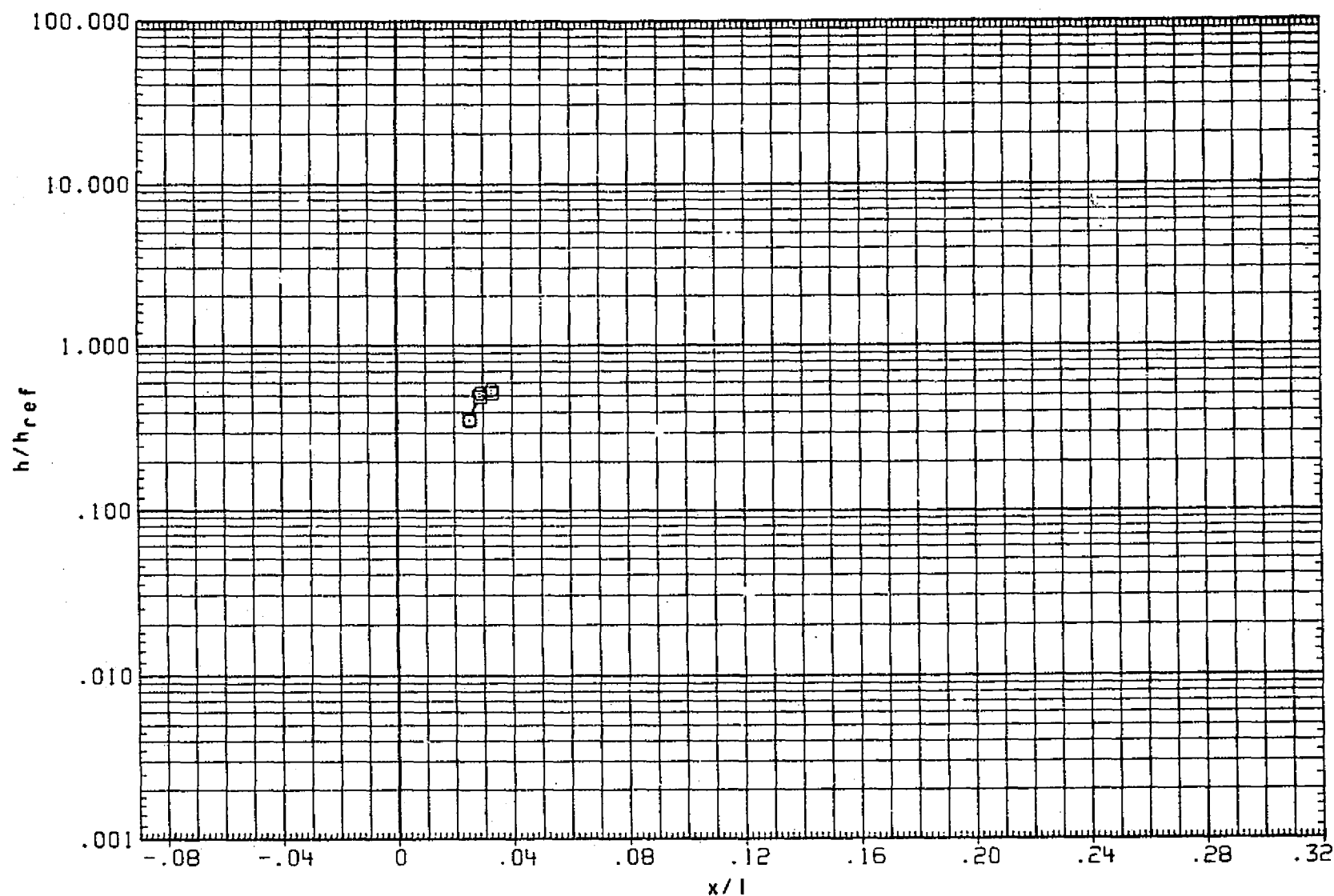


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

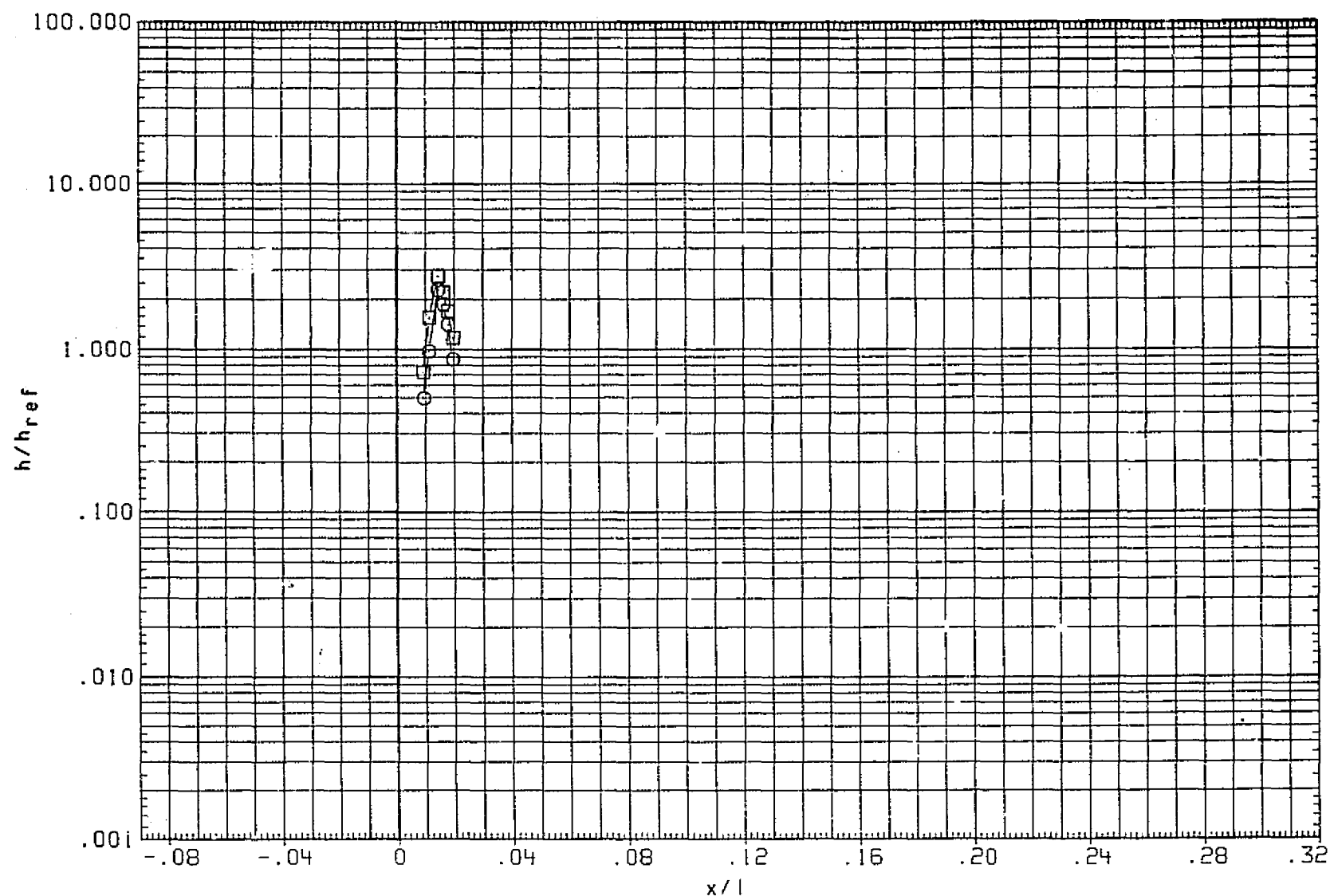


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

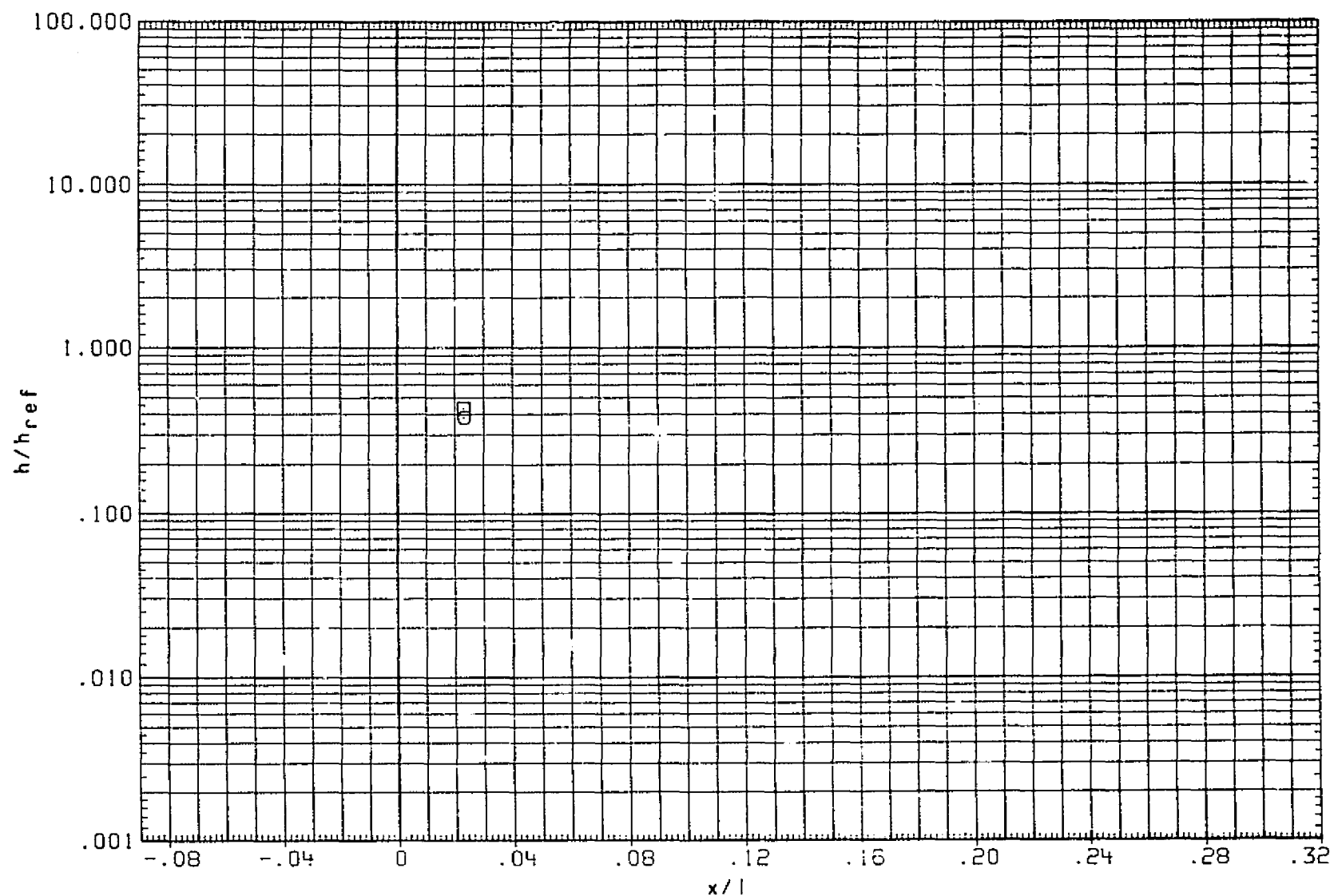


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1524

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

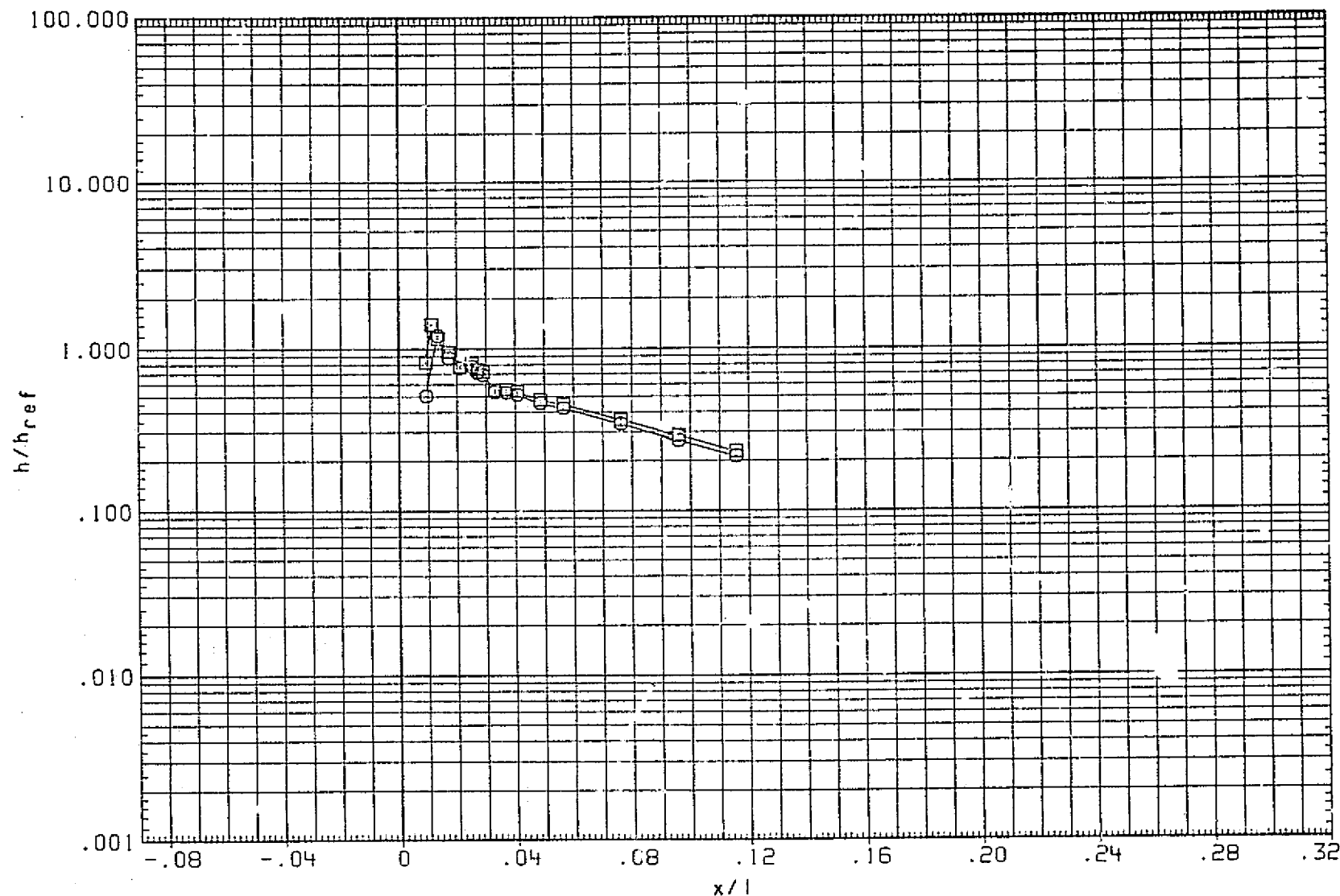


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 90.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

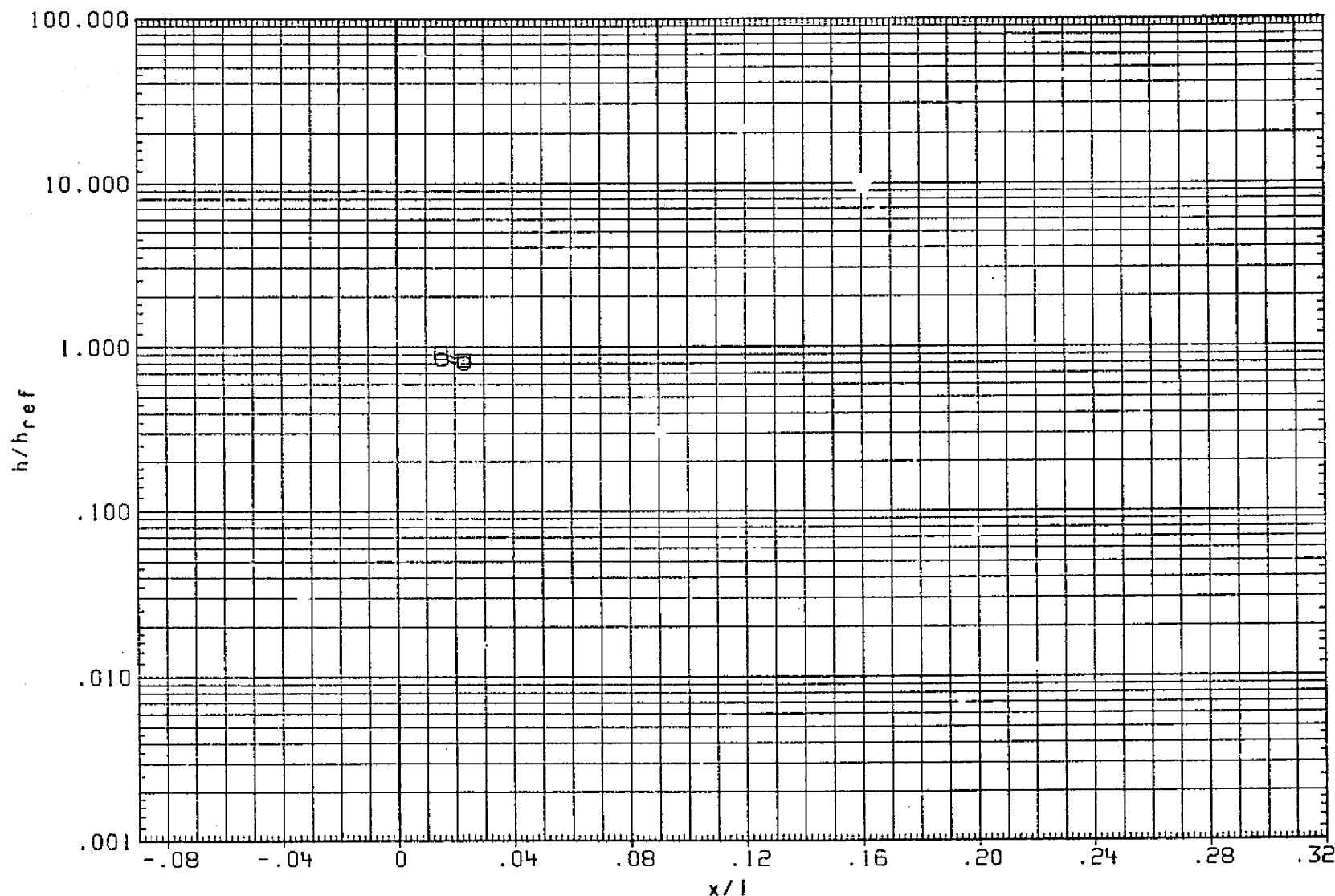


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

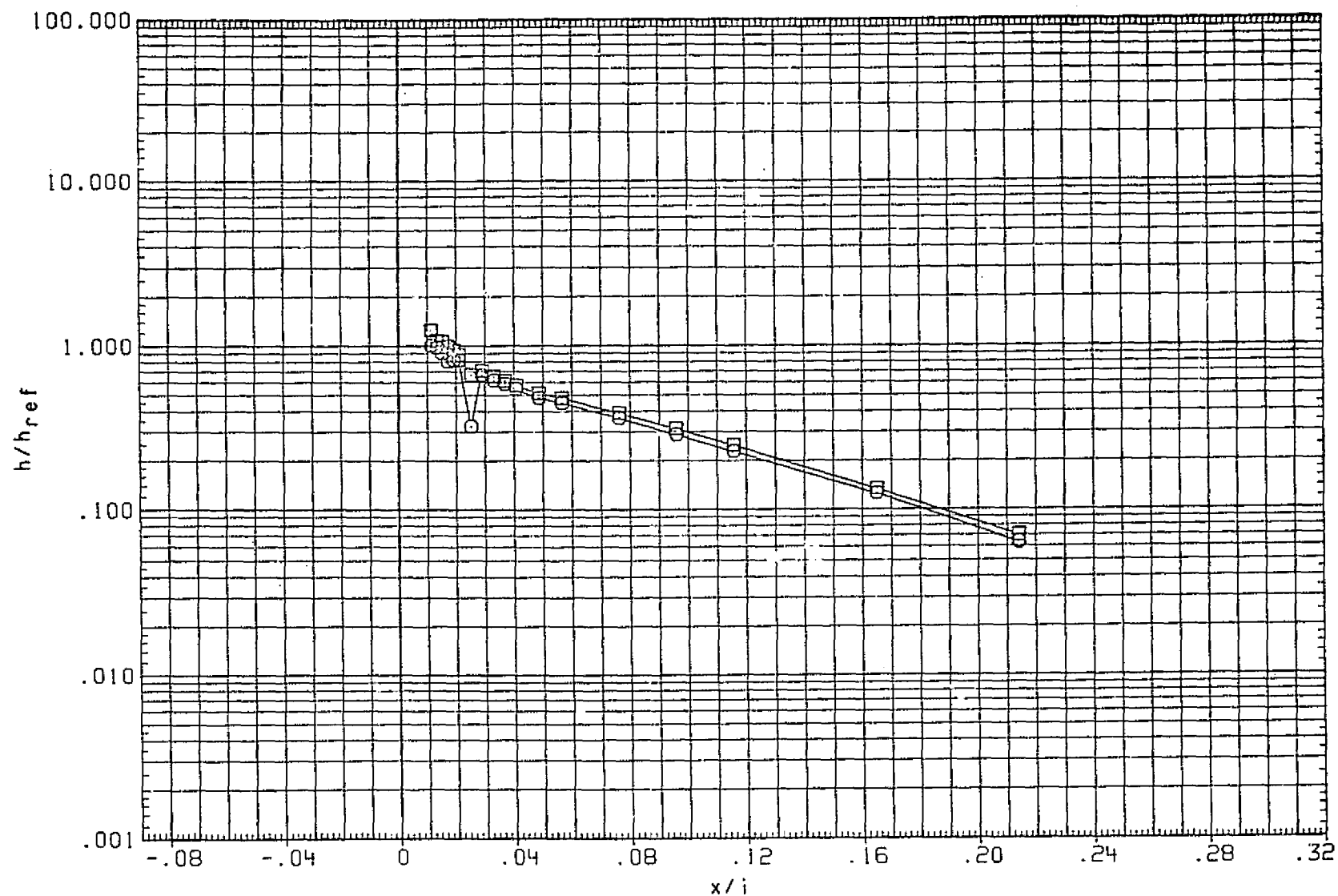


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT03	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
IRNTT05	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

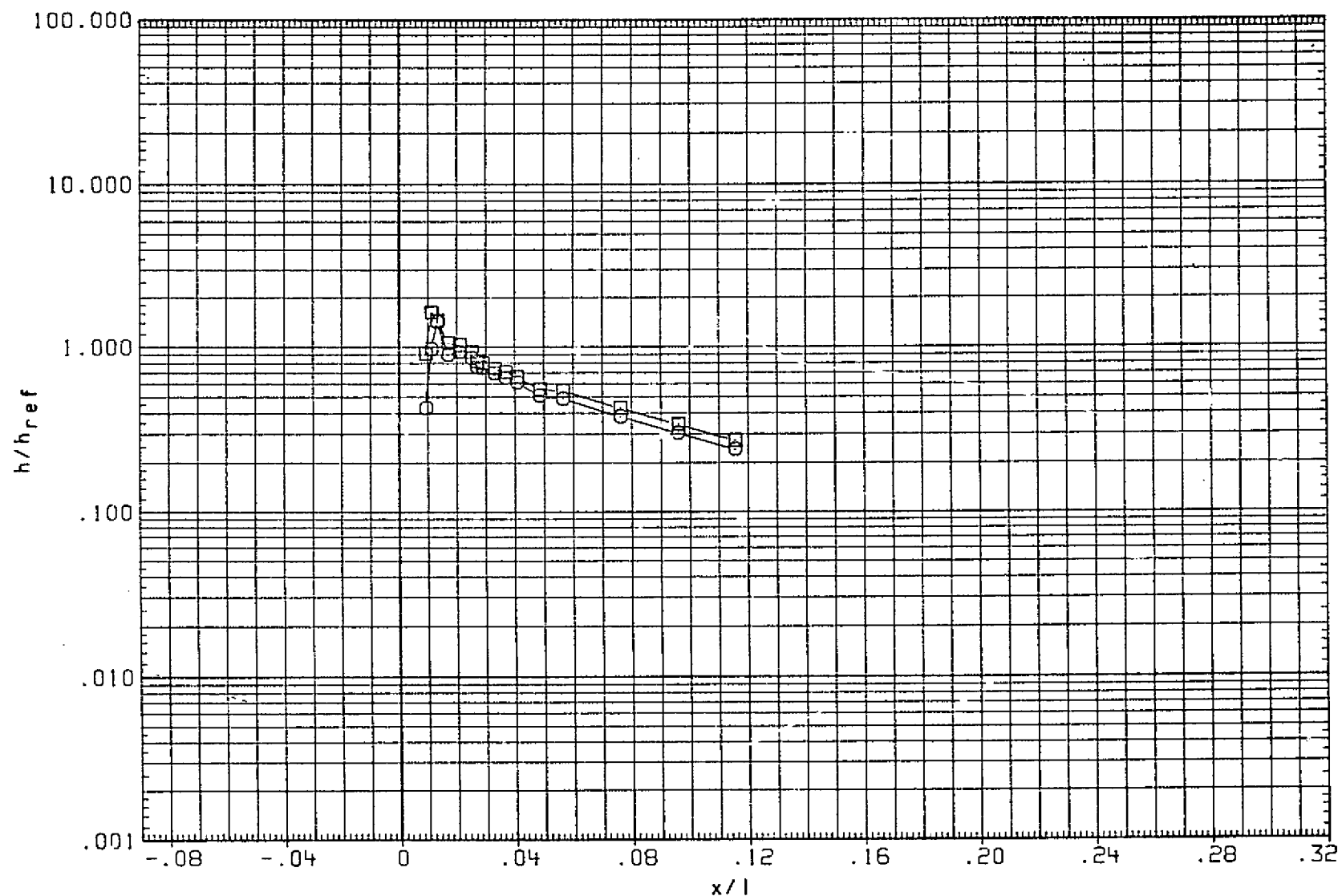


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 270.000

PAGE 1528

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

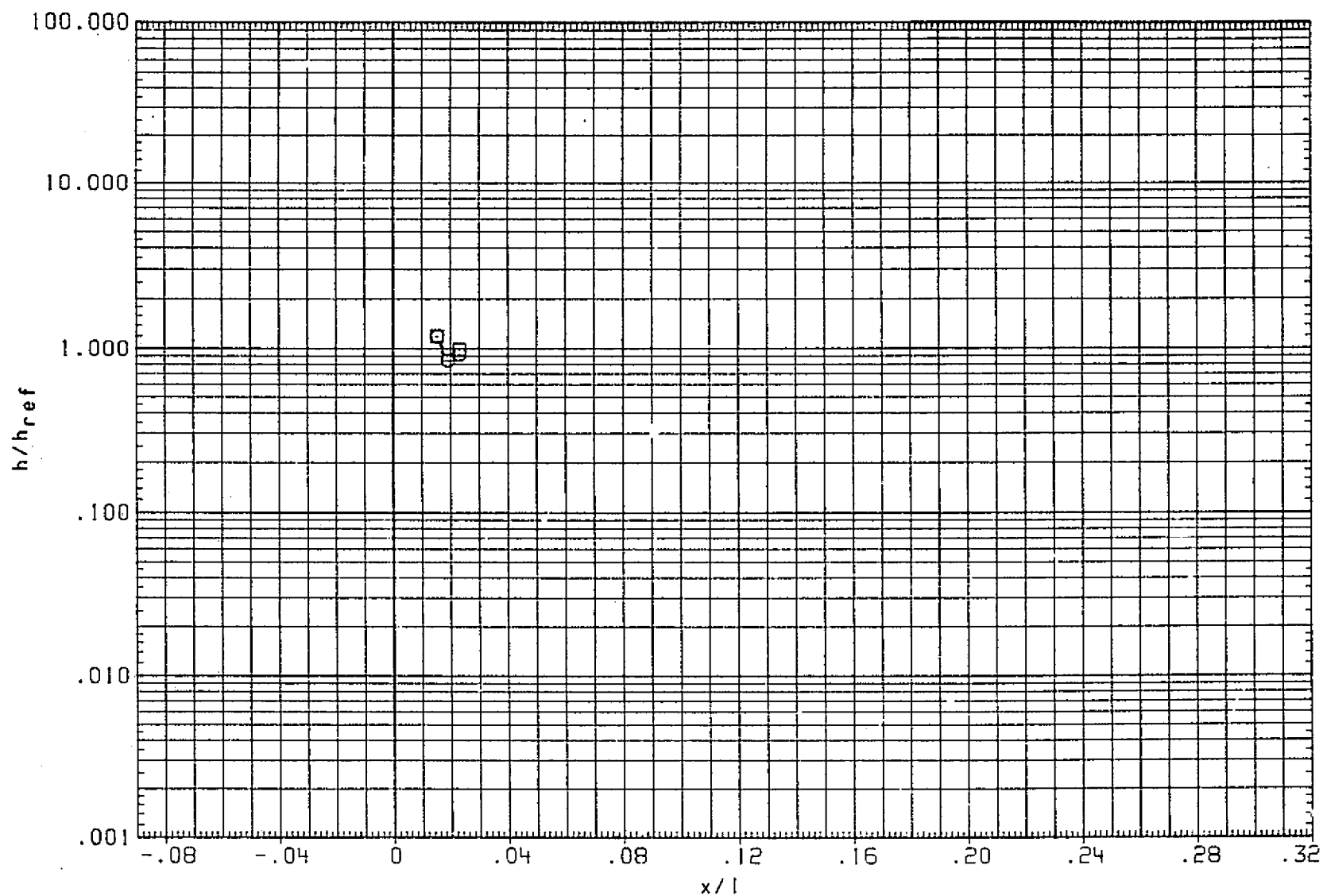


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

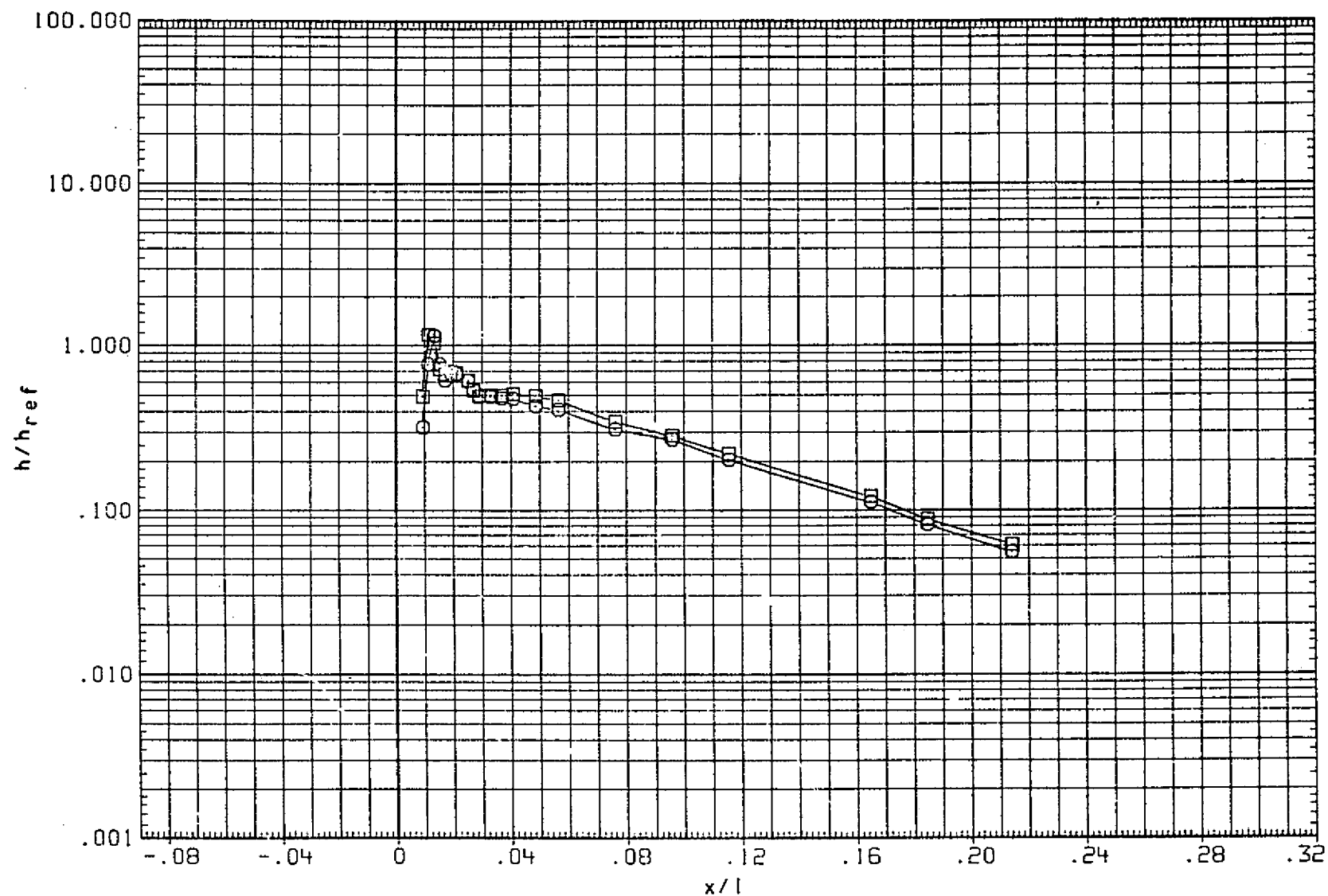


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = .000

PAGE 1530

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

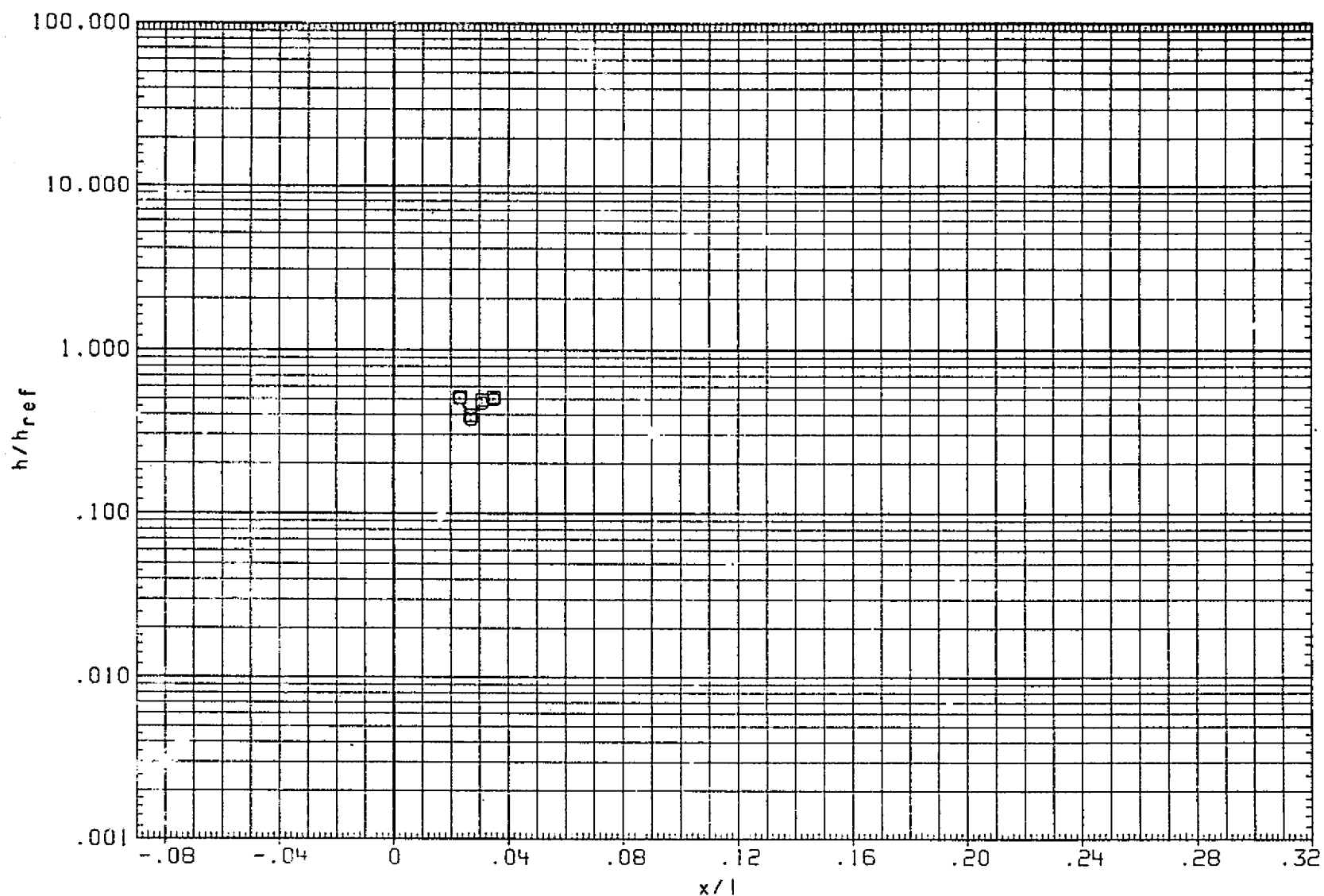


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

PAGE 1531

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

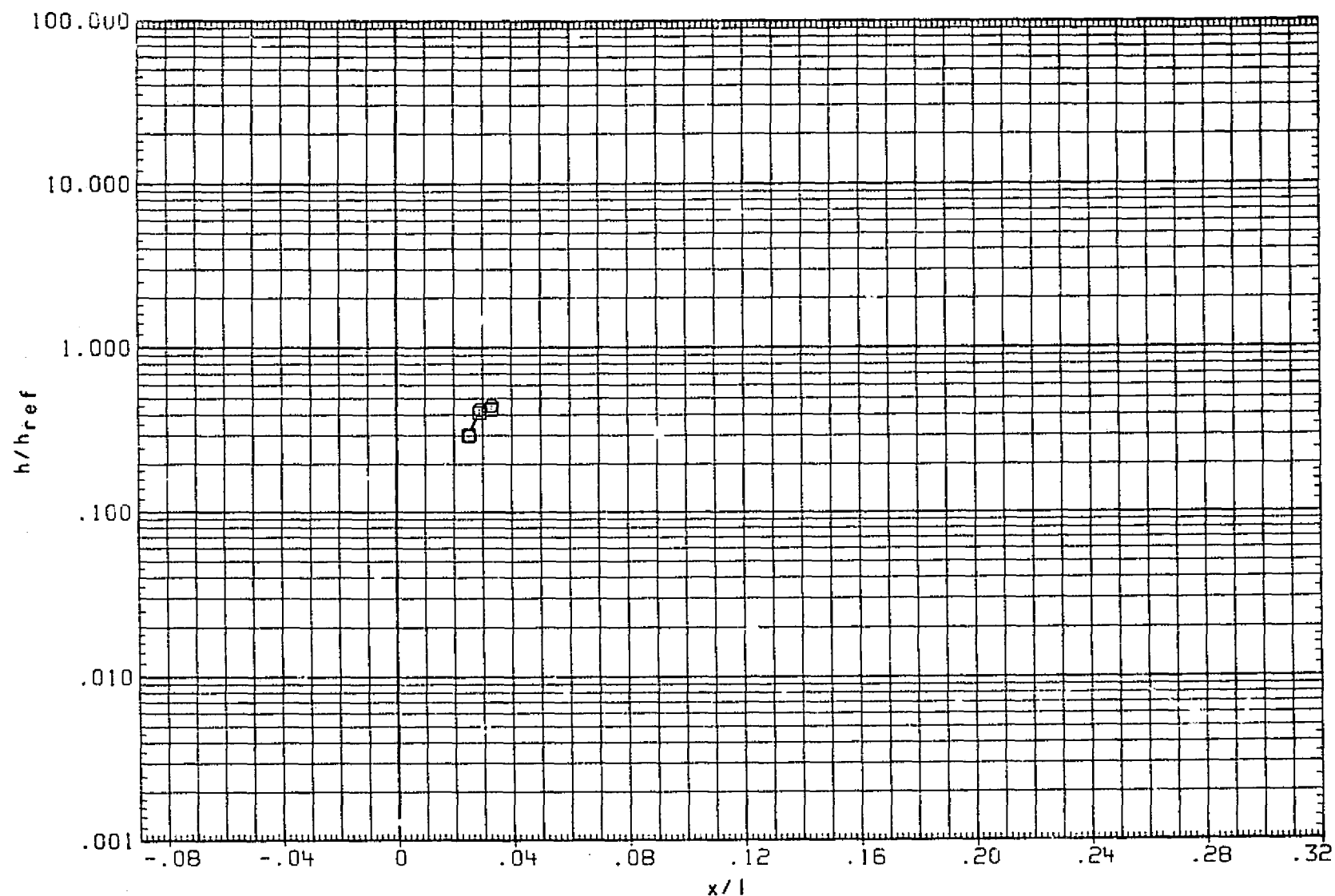


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1532

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

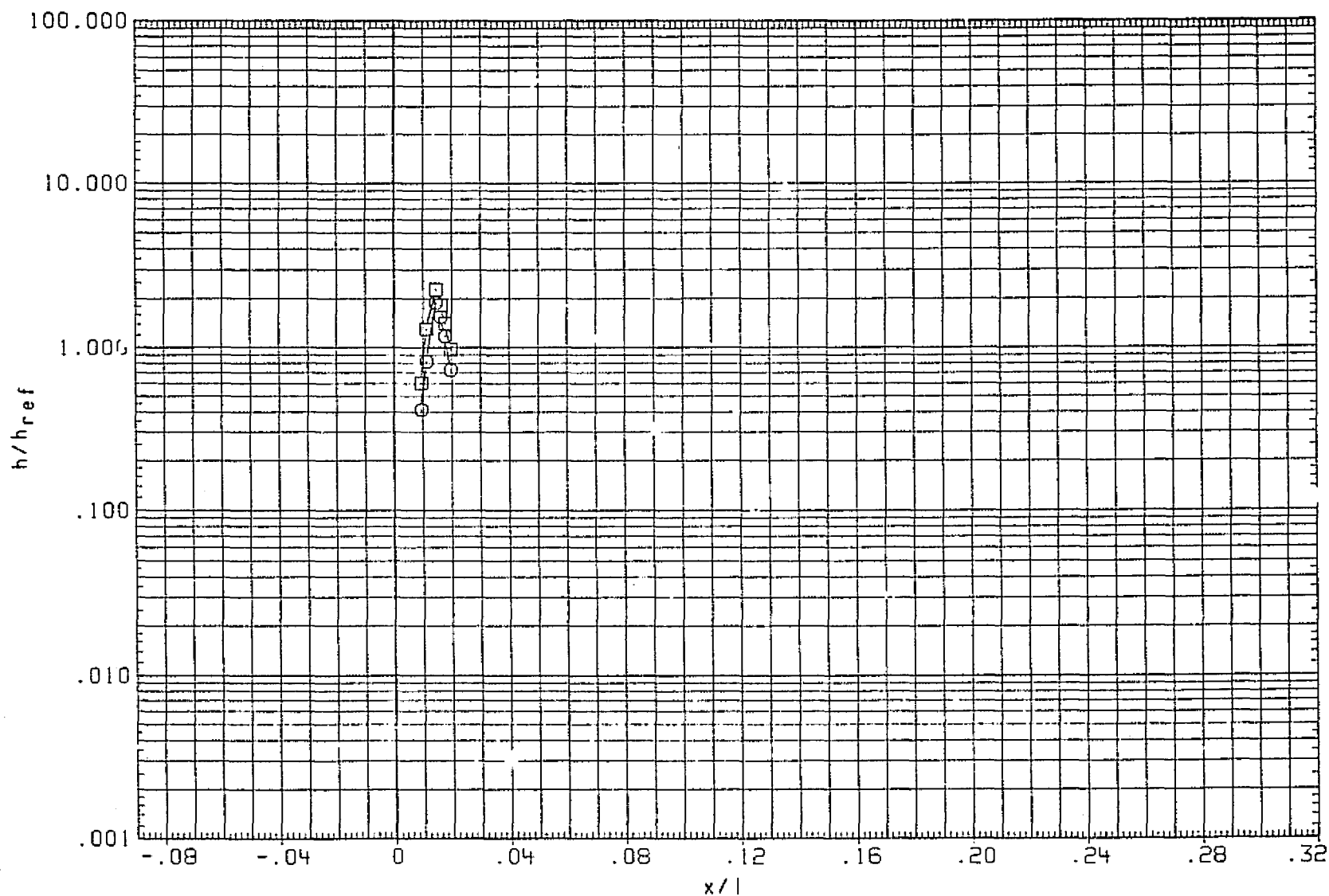


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

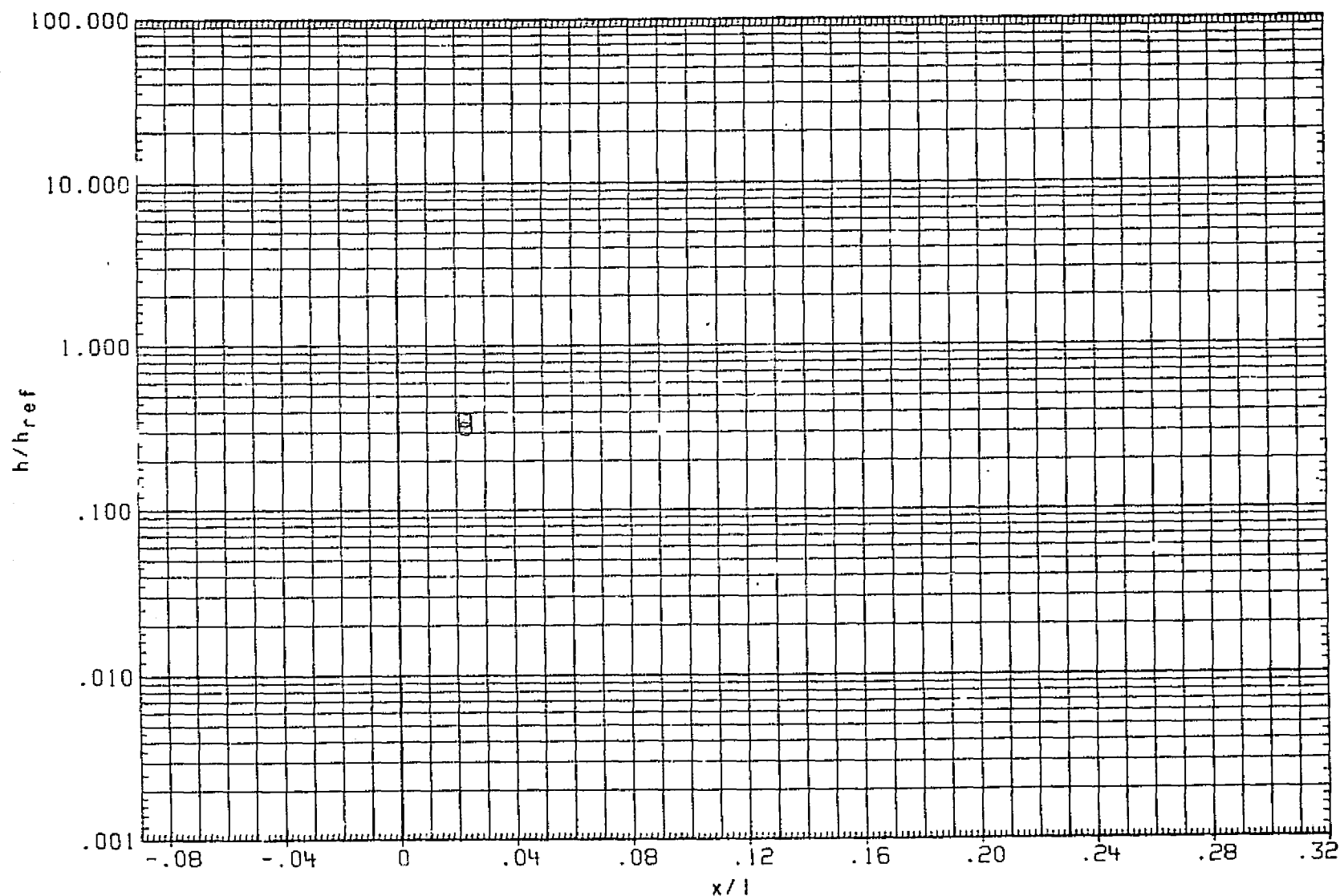


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1534

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

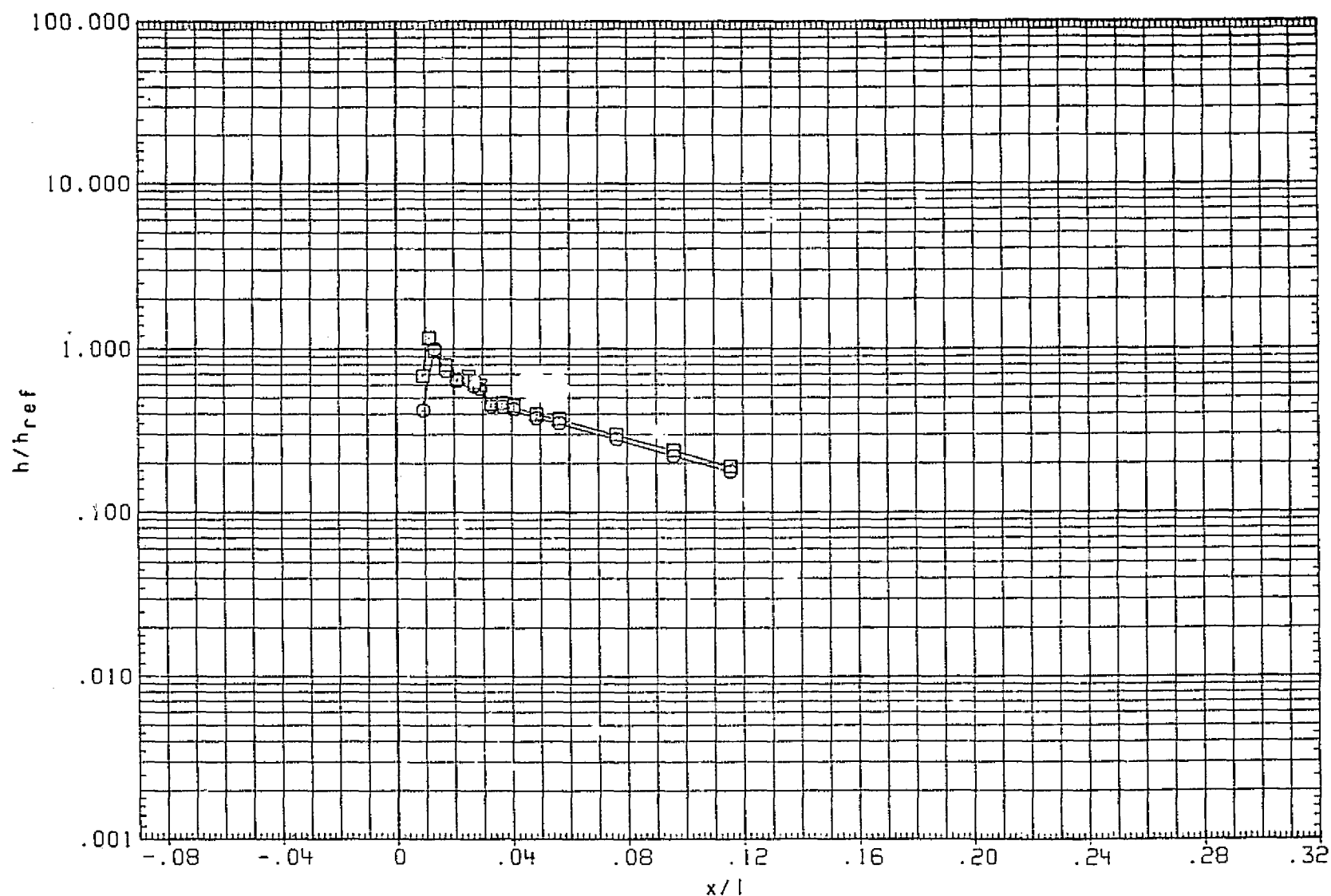


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

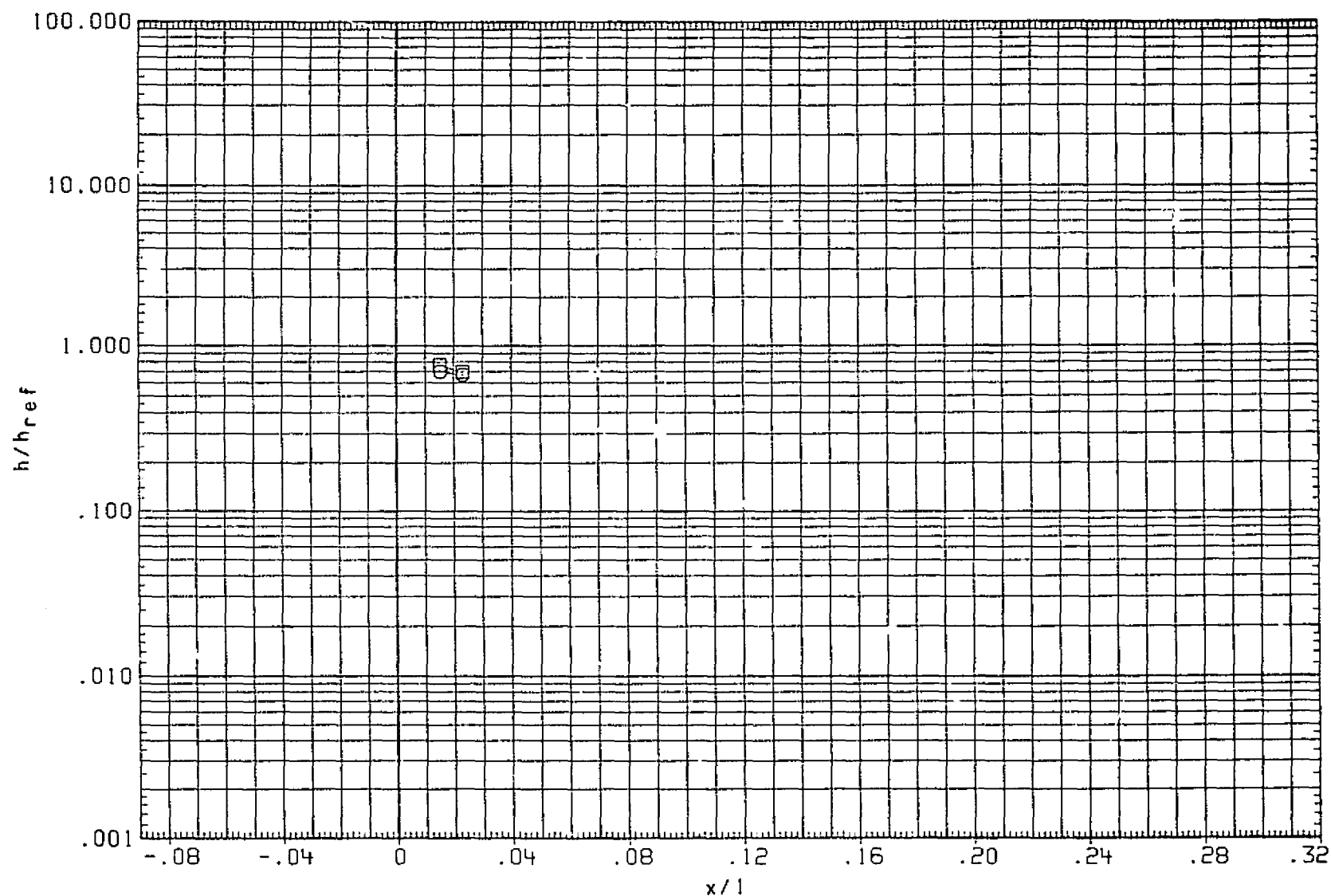


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 135.00°

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

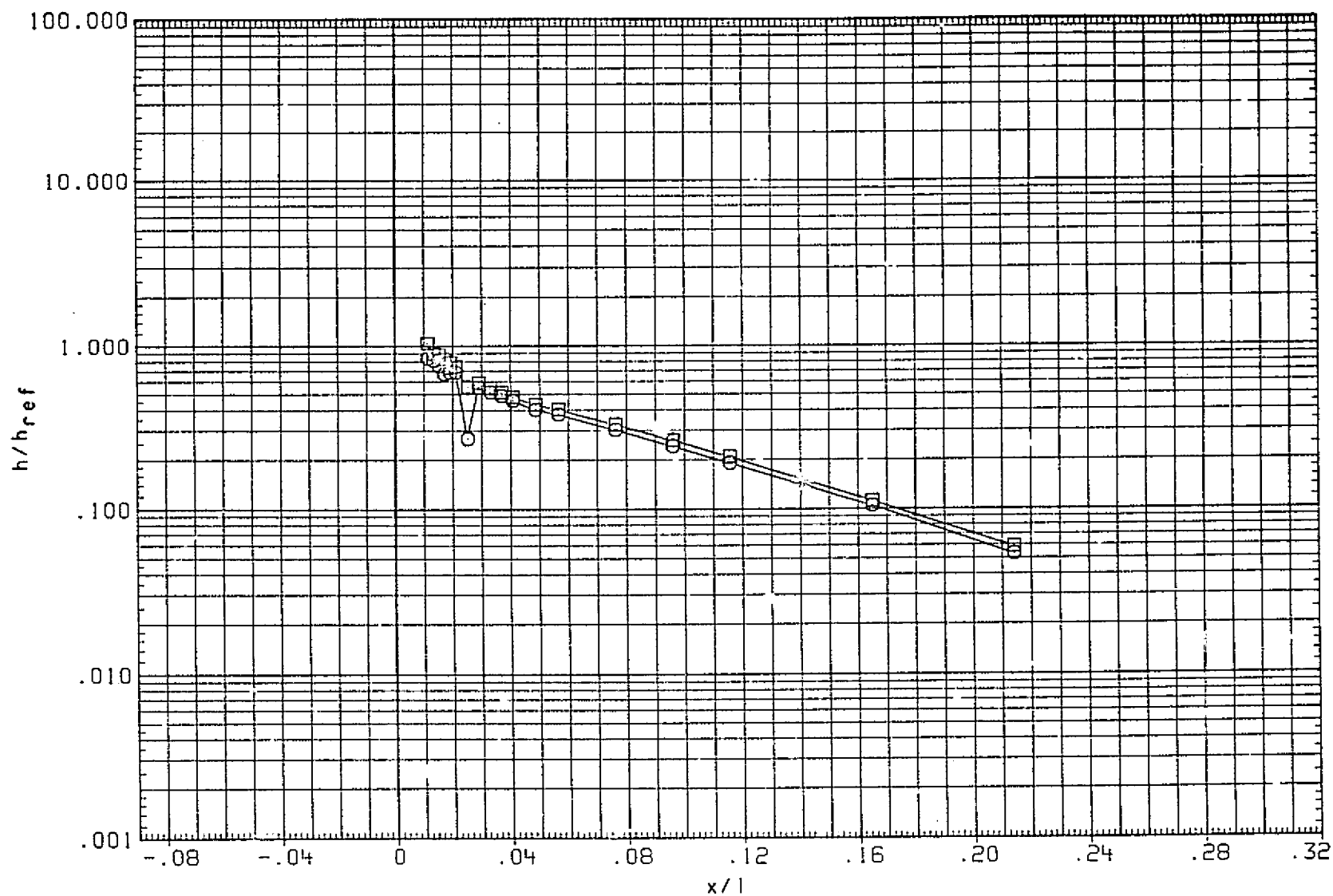


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

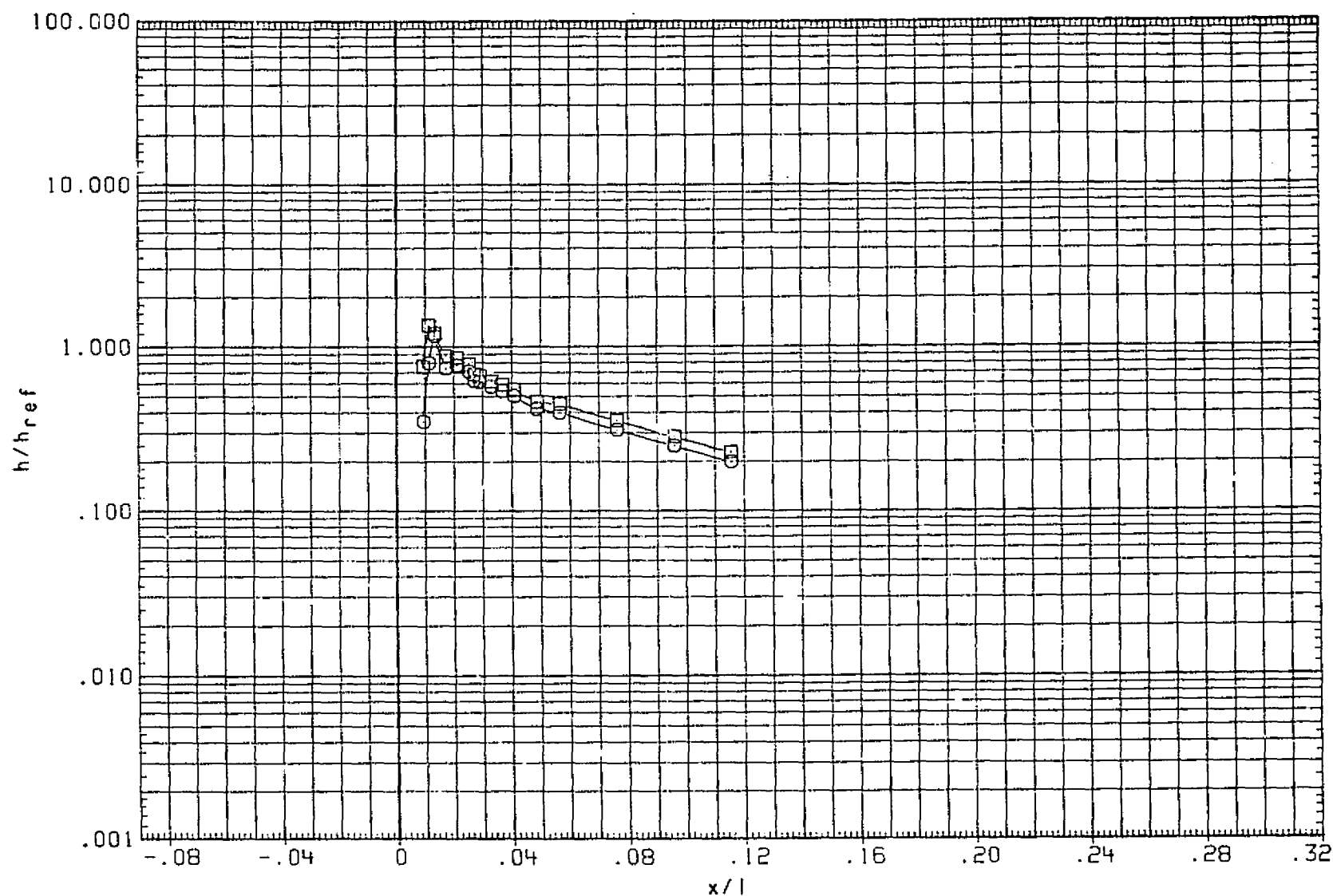


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000

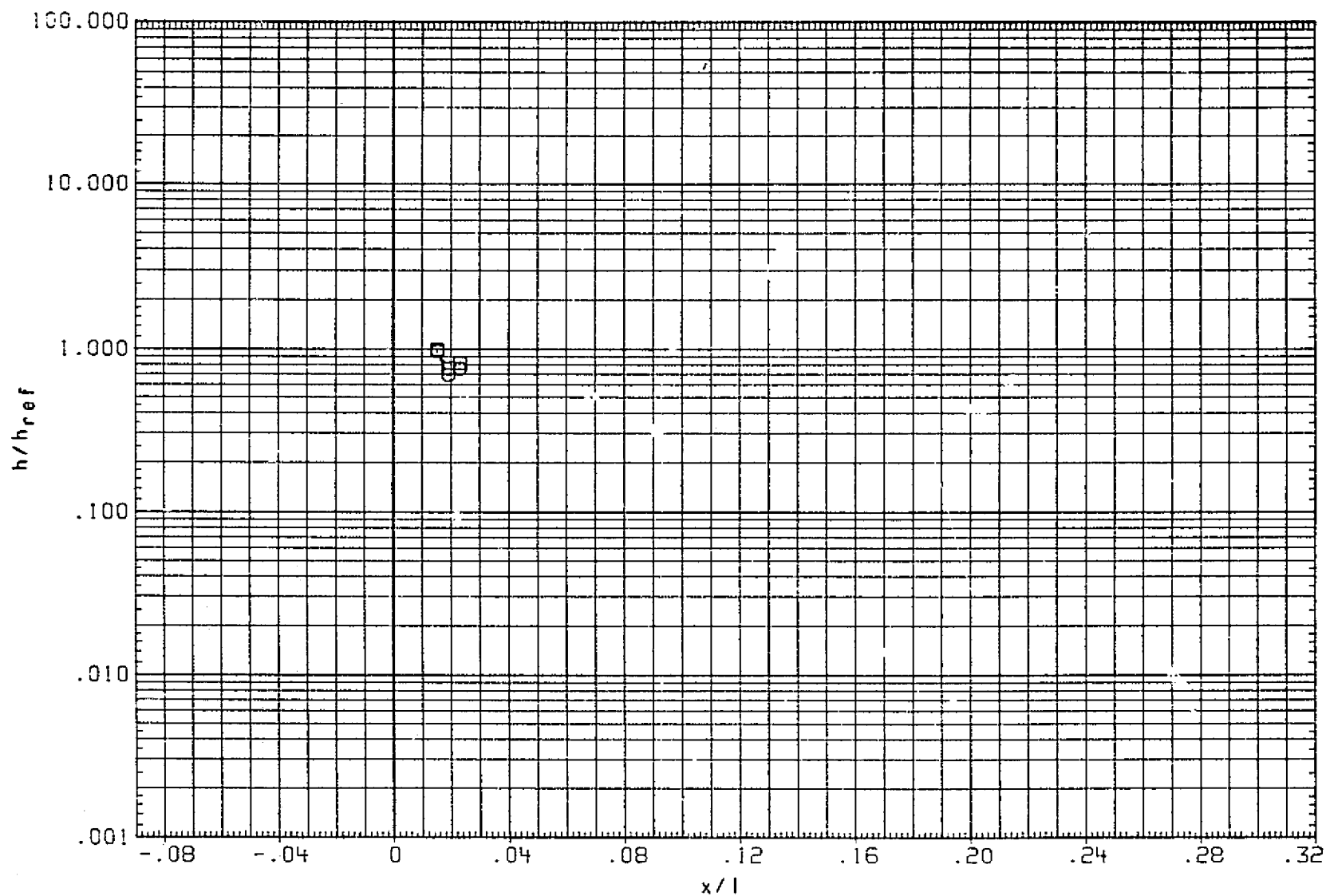


FIG. 17 TANK FOREBODY, REYNOLDS NUMBER EFFECT

MACH = 5.300 HAW/HT = 1.000 THETA 315.000

PAGE 1539

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

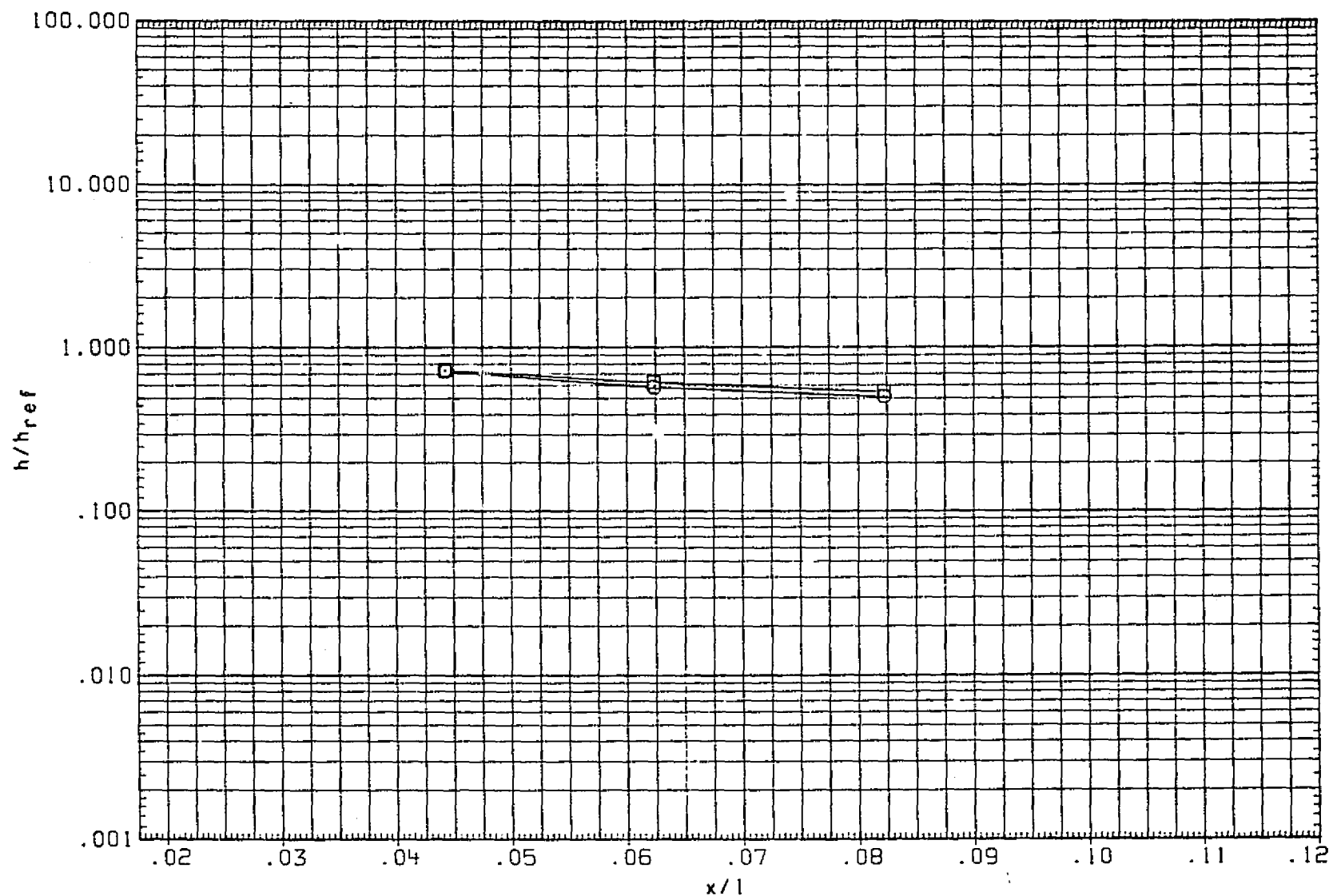


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = -.007

PAGE 1540

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB OFF)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

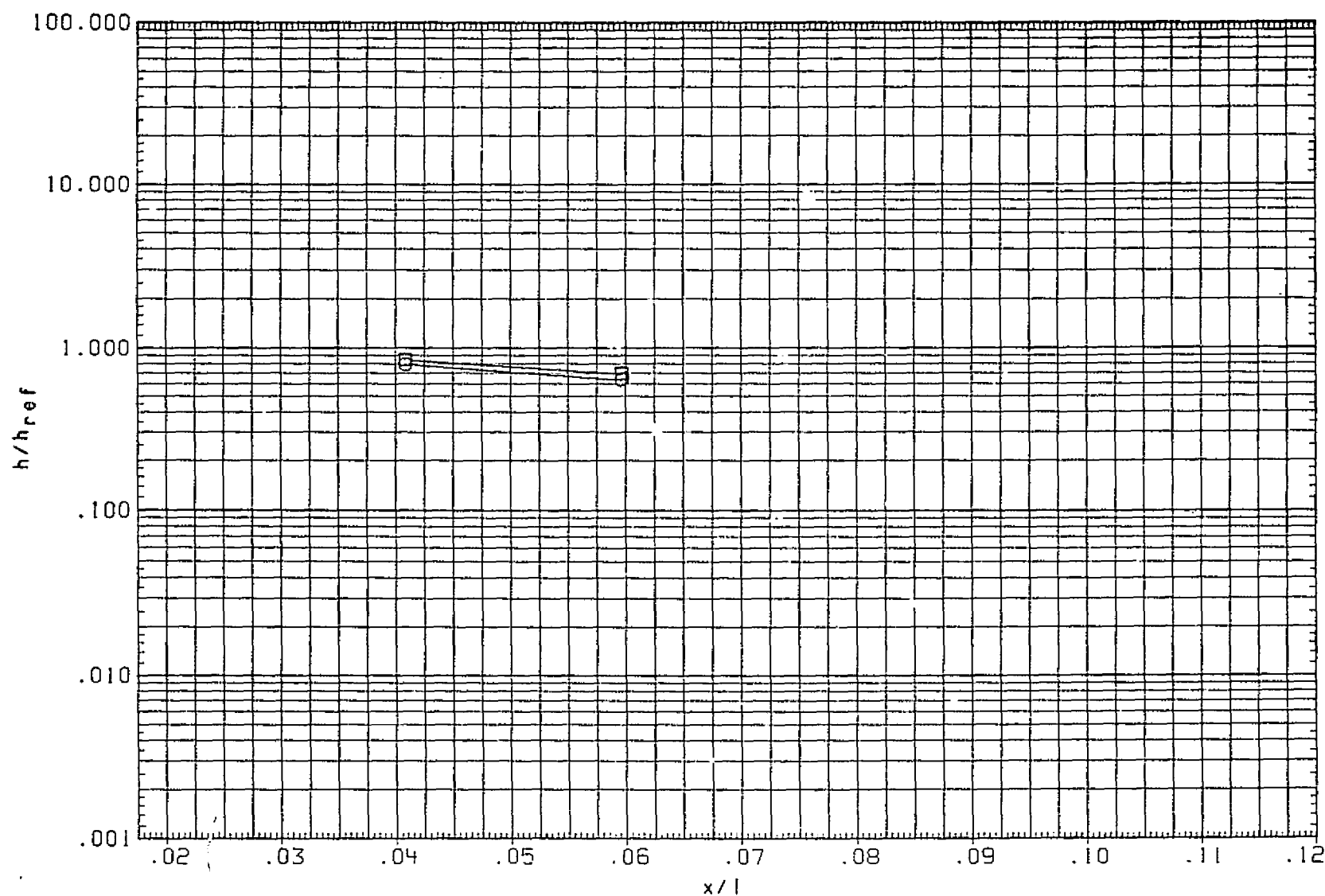


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = -.006

PAGE 1541



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPD3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPD5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

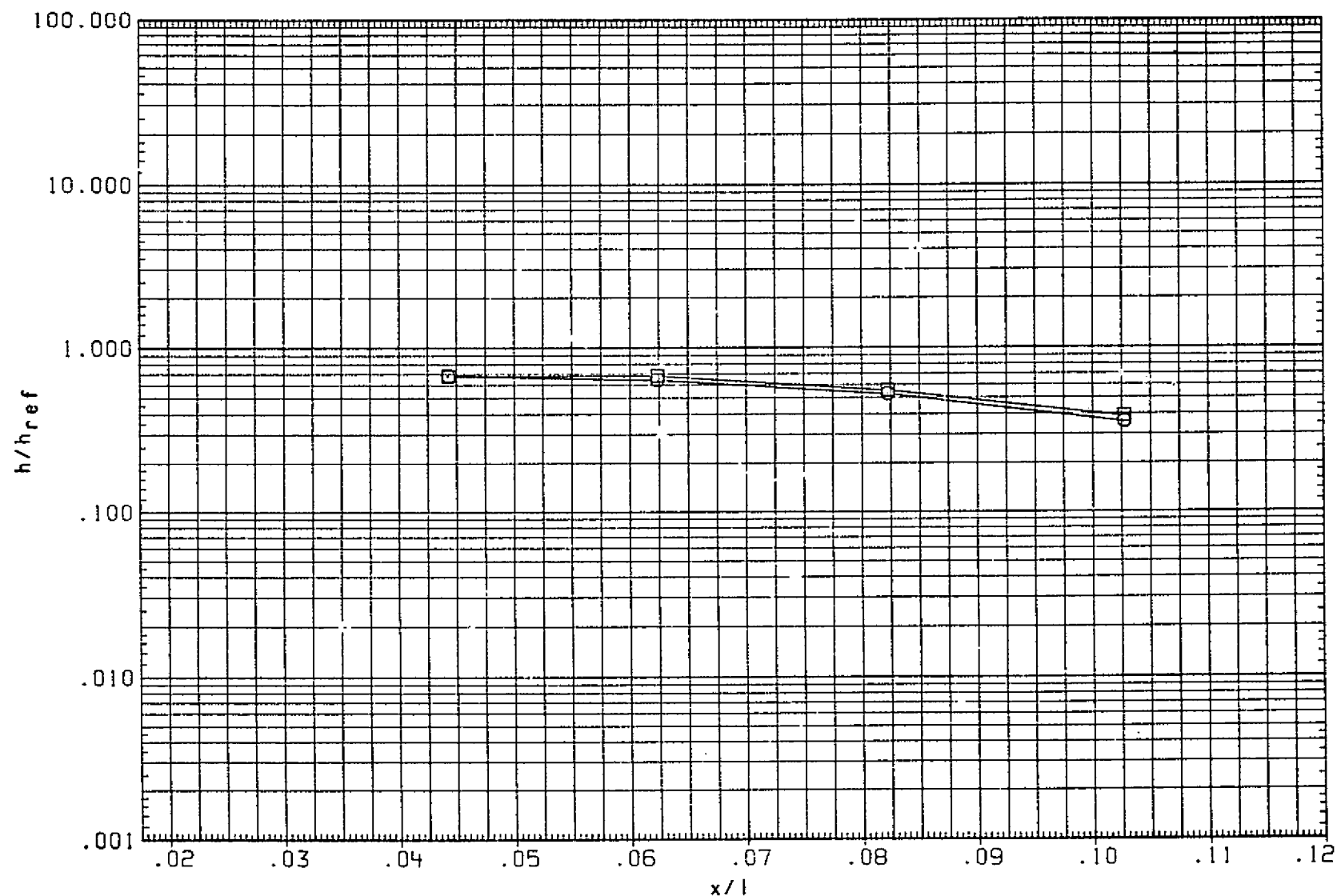


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = -.005

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

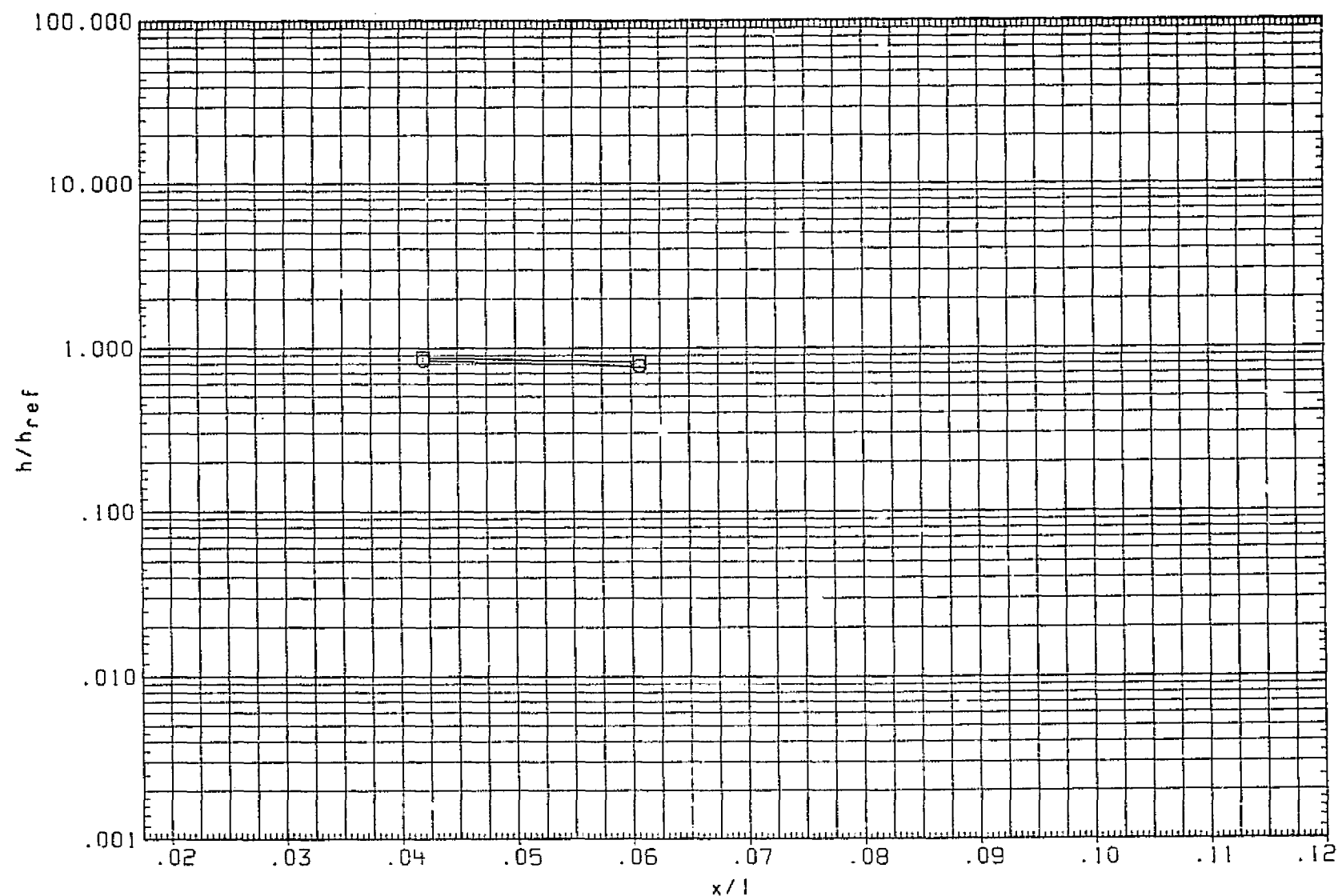


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = -.004

PAGE 1543

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTD03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTD05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

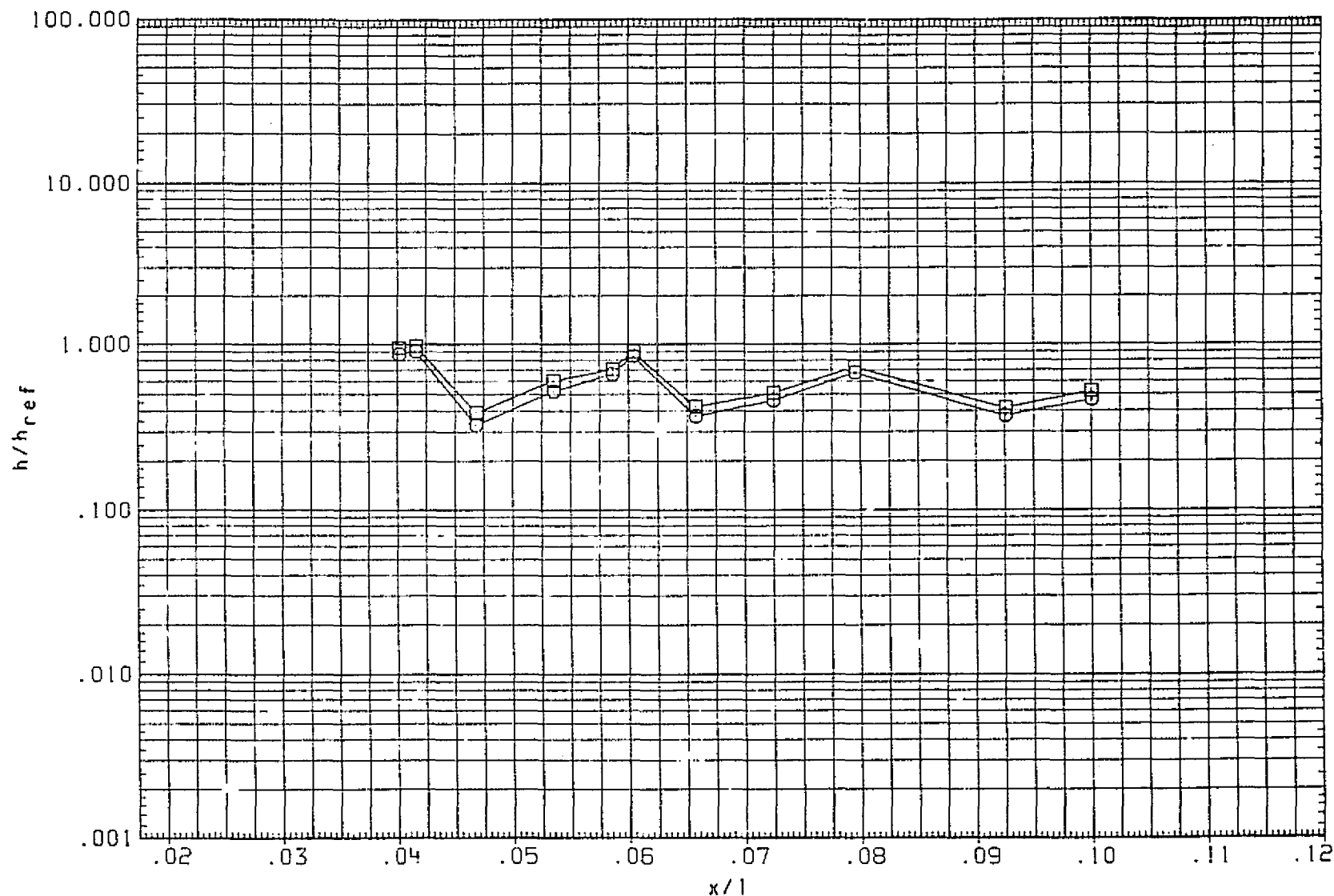


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = -.002

PAGE 1544

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

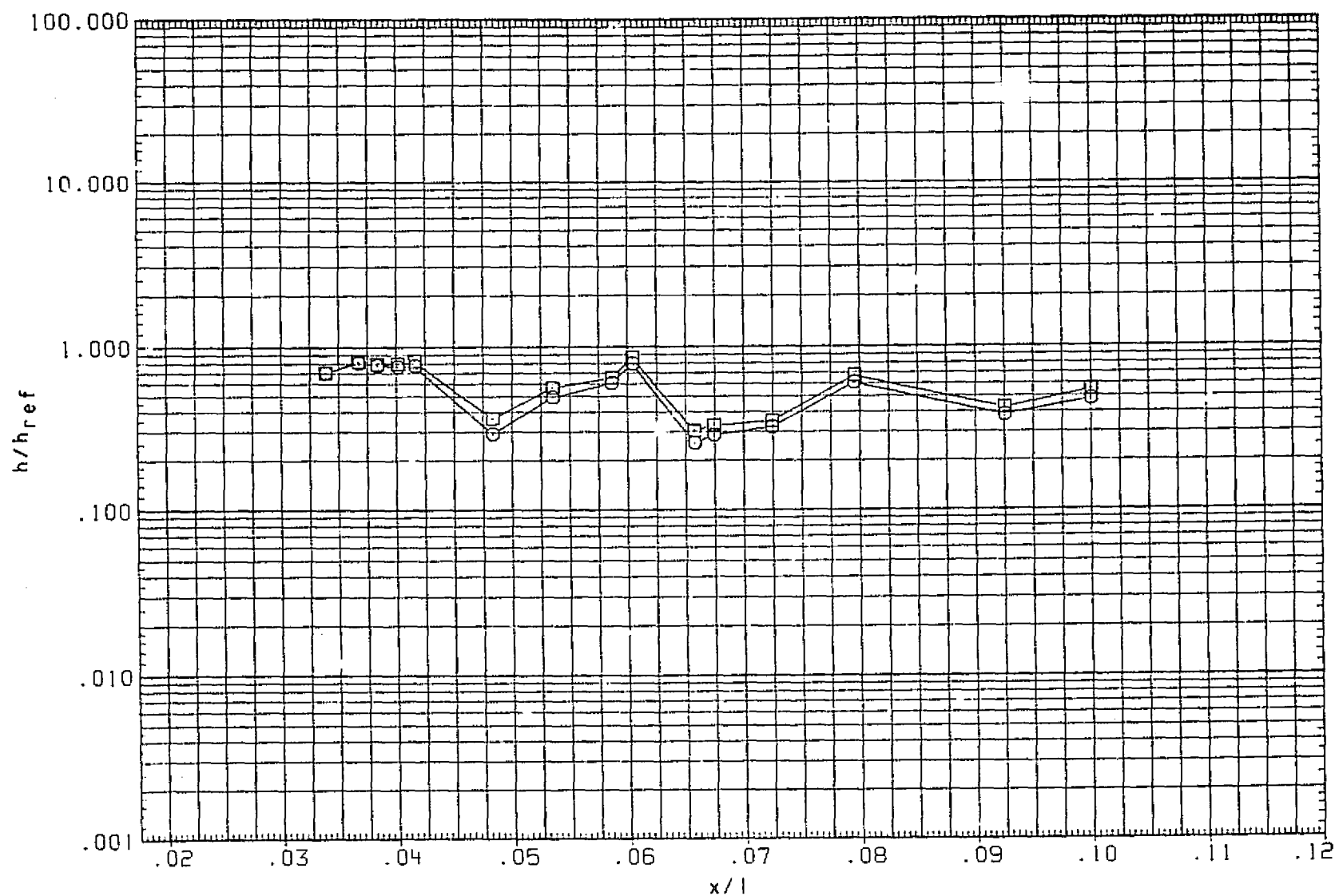


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = .001

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

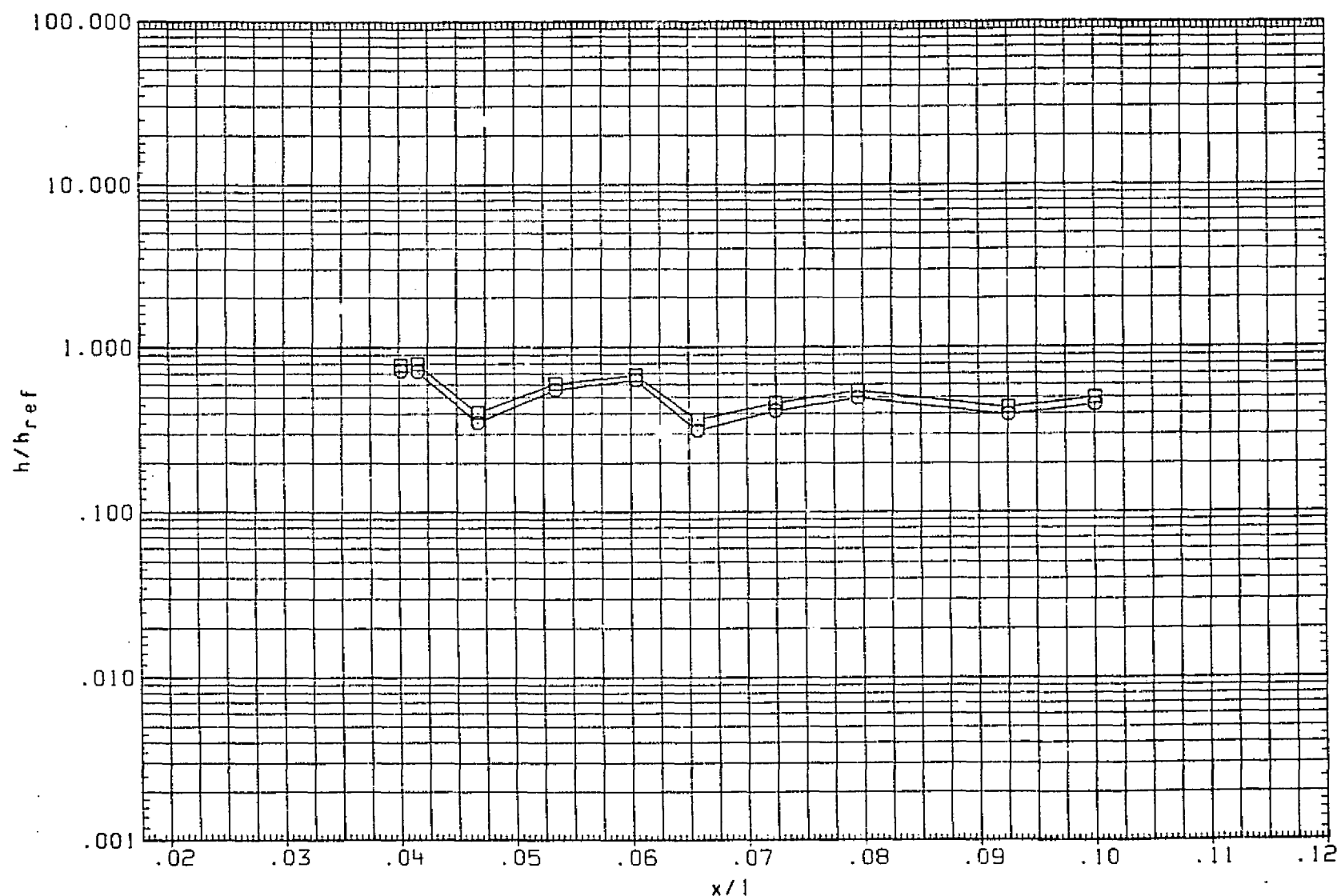


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = .004

PAGE 1546

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

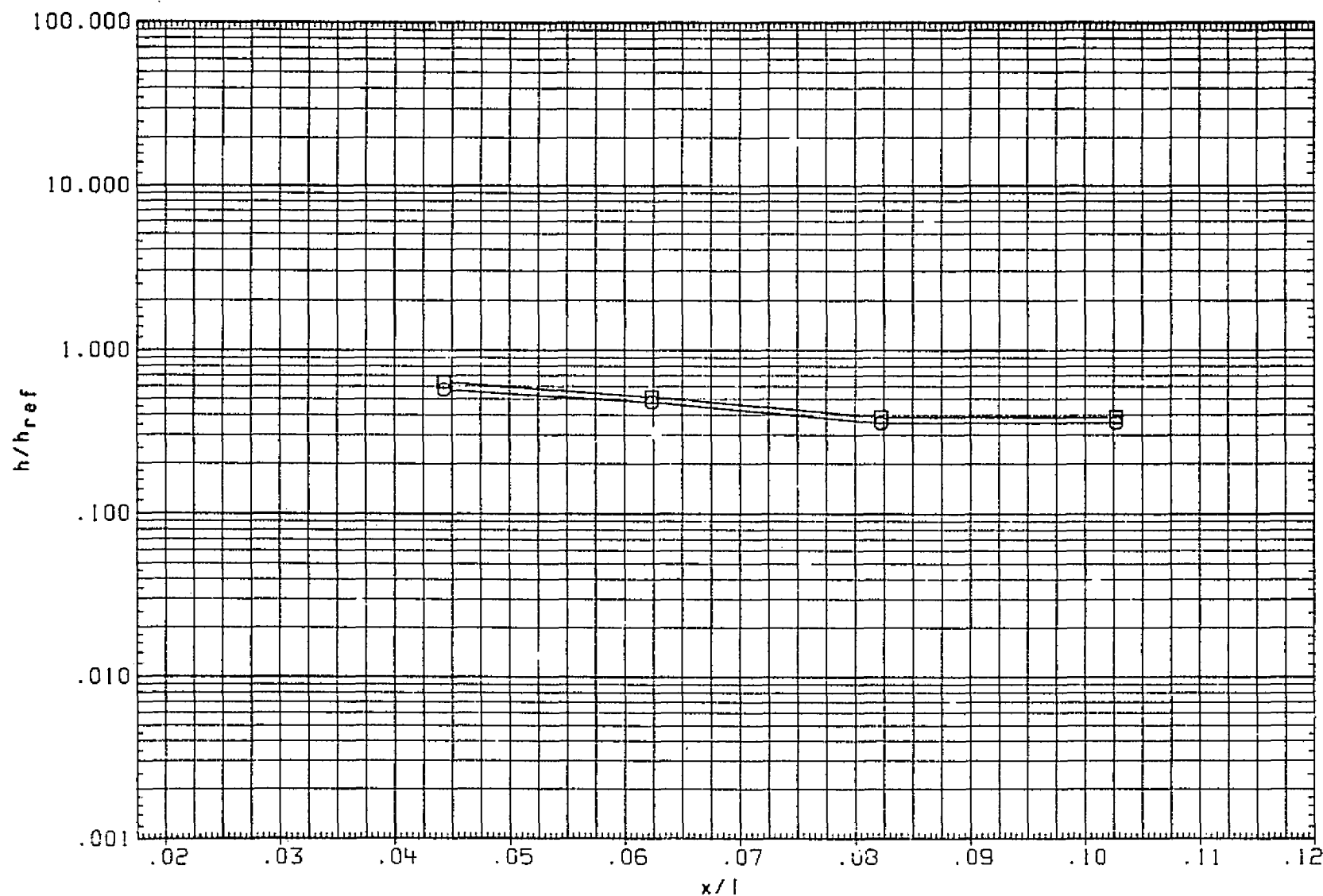


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER T.F.P EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = .007

PAGE 1547

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

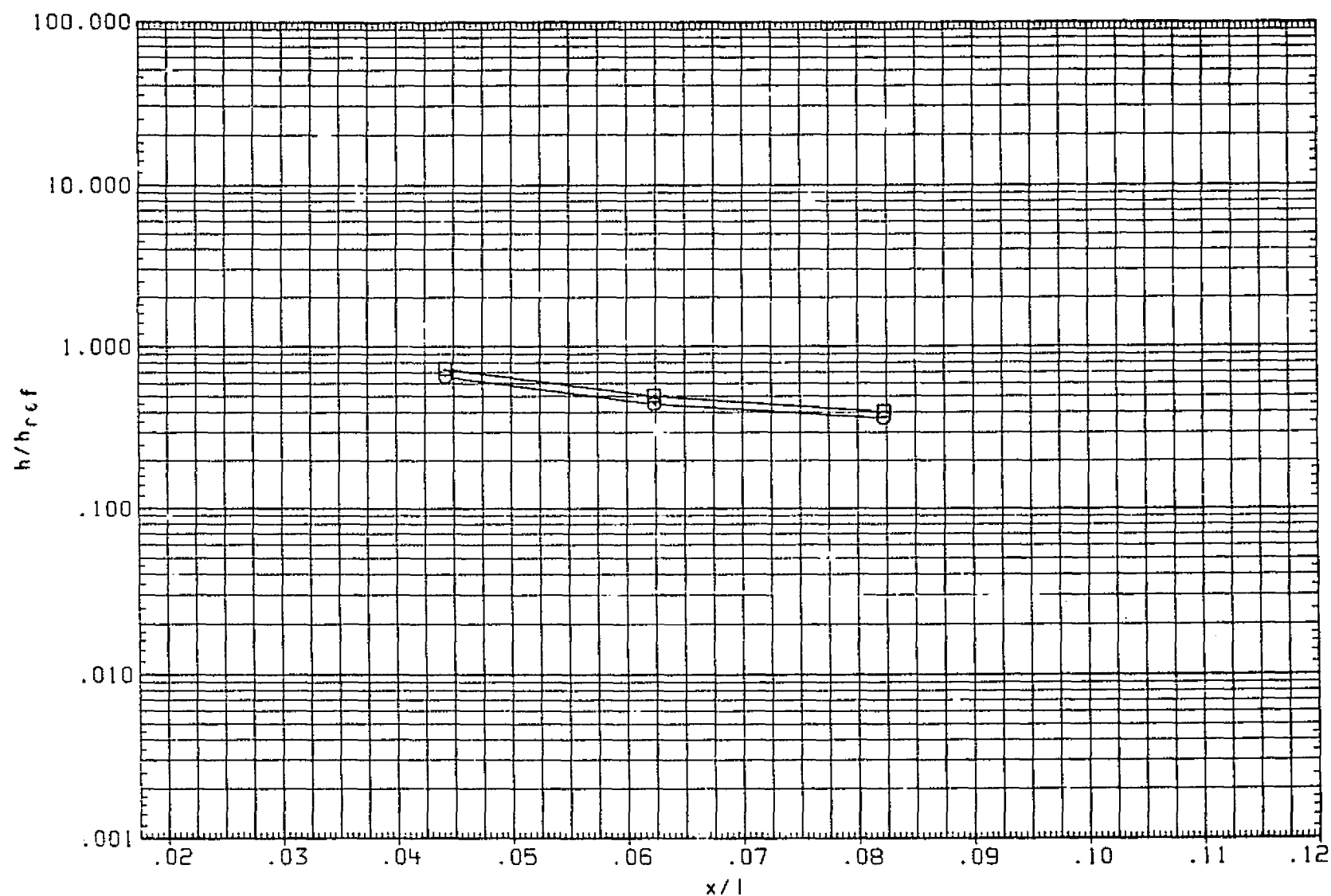


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 DY/L = .009

PAGE 1548

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTP03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTP05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

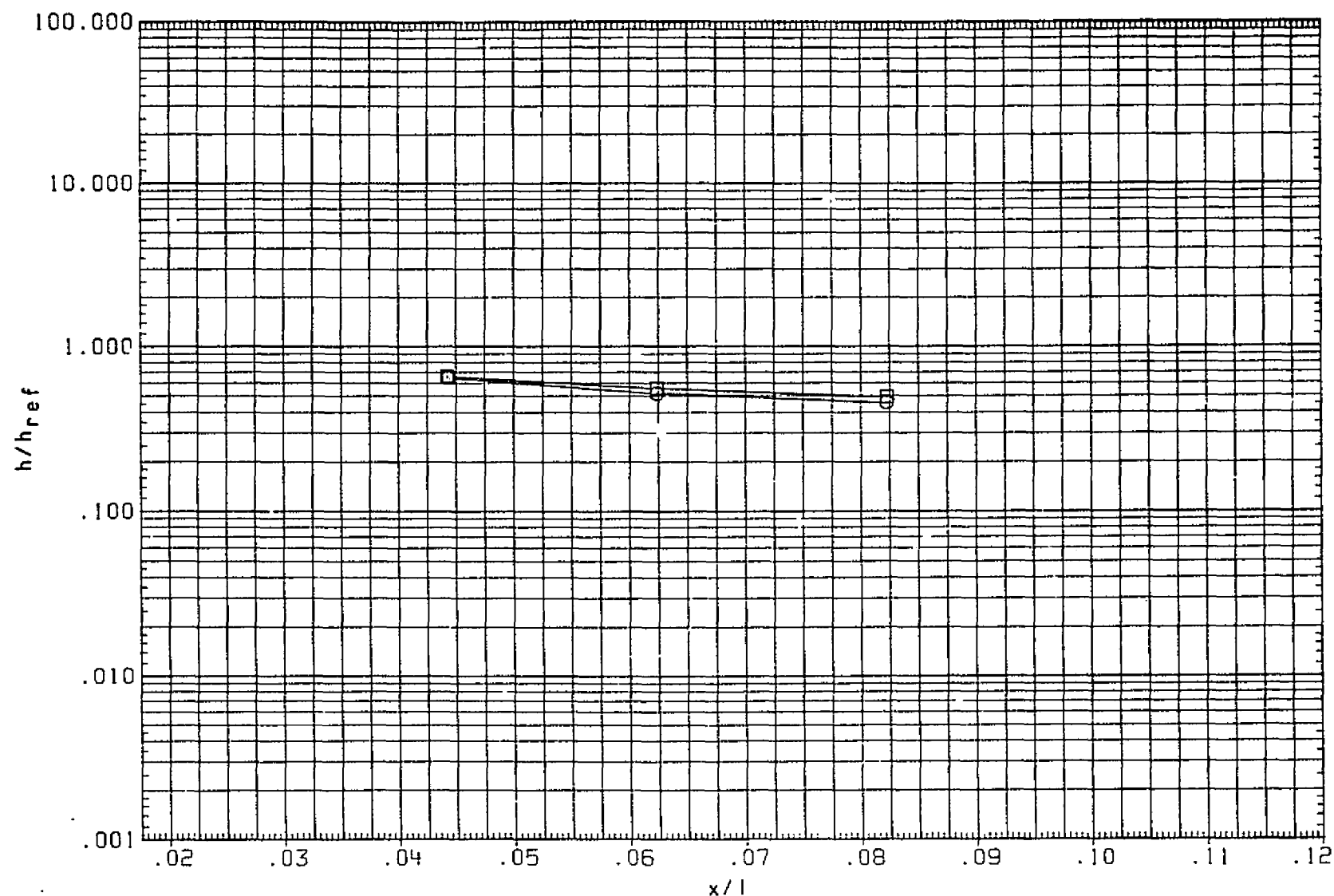


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = -.007

PAGE 1549



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

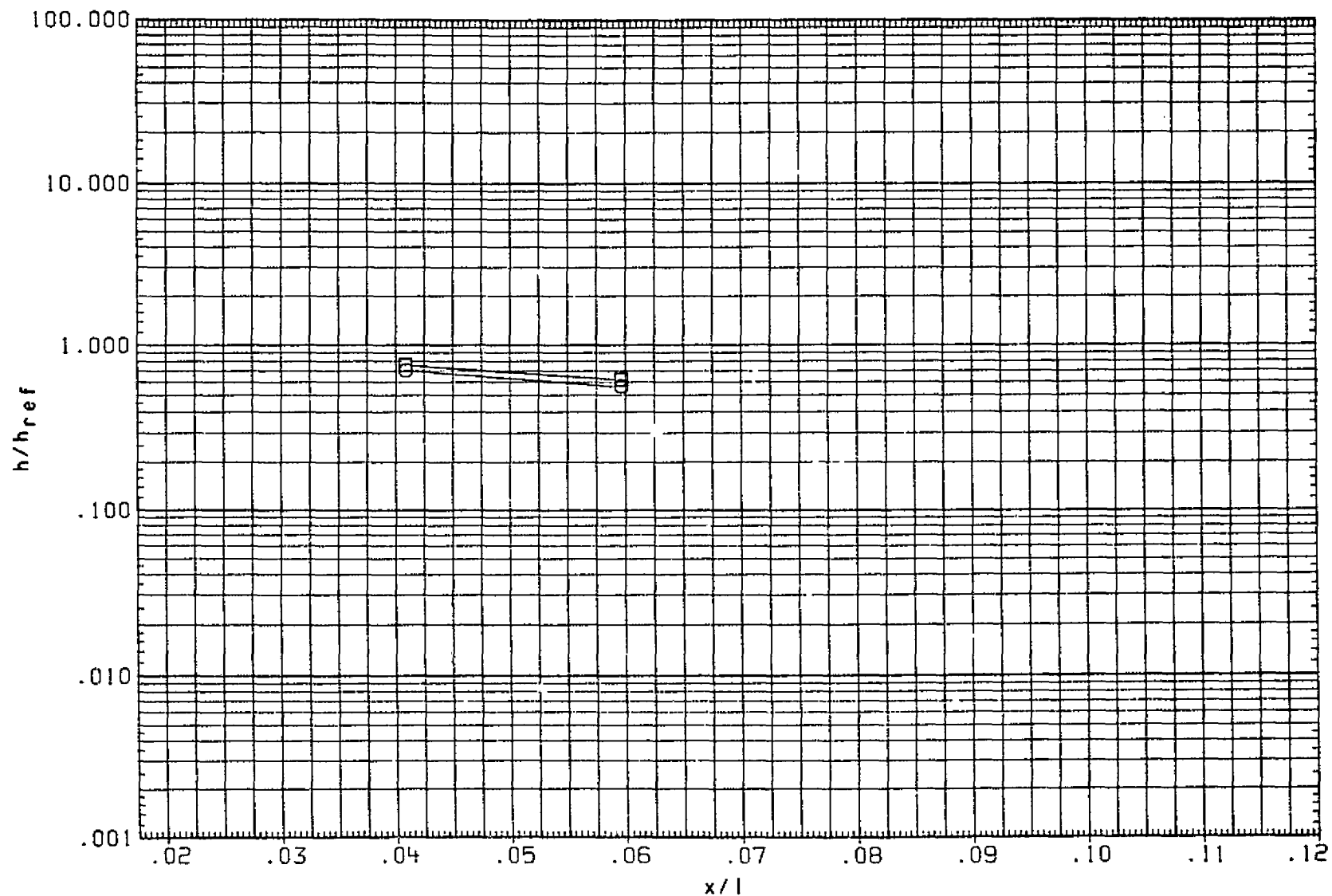


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = -.006

PAGE 1550

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNT03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNT05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

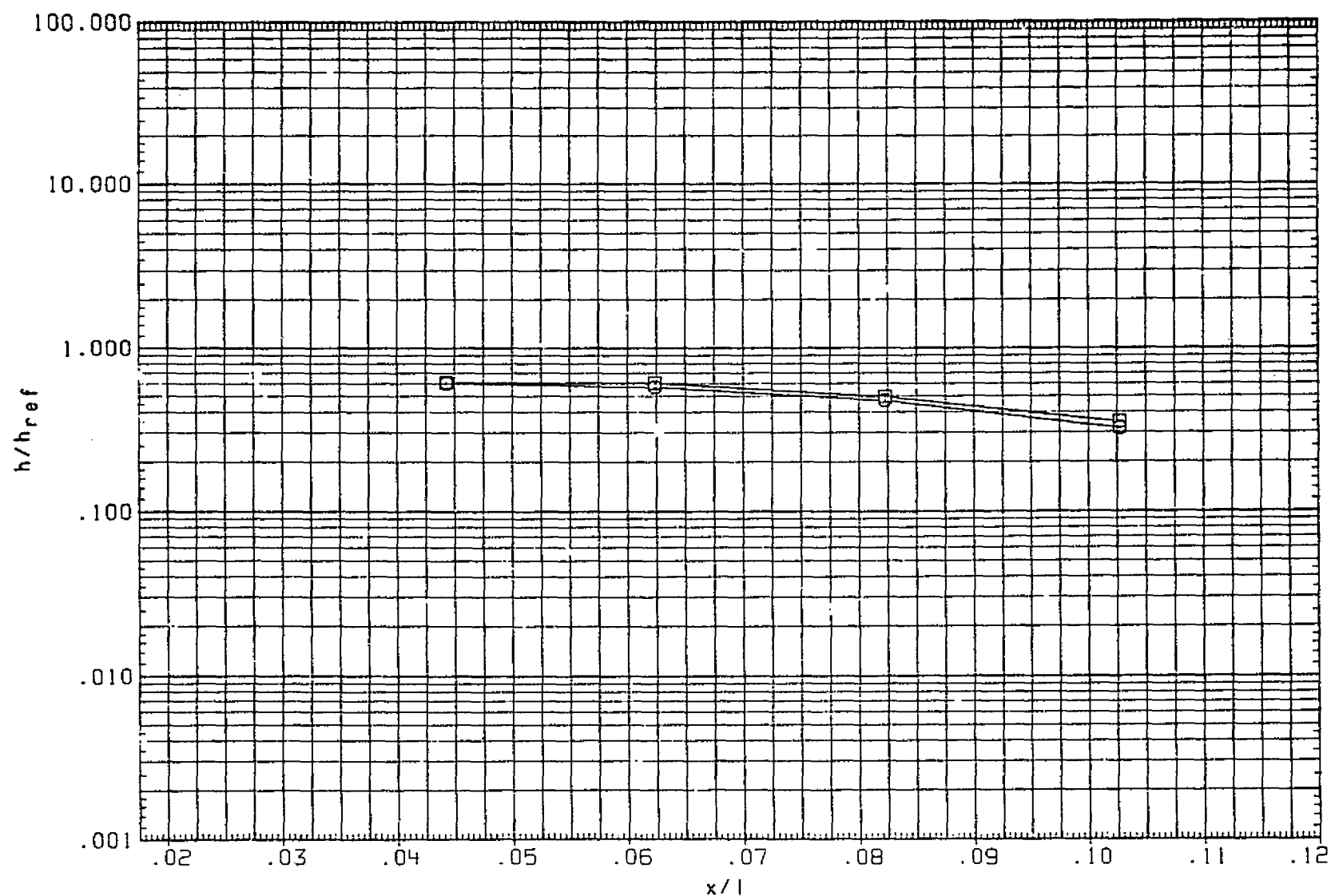


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = -.005

PAGE 1551

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

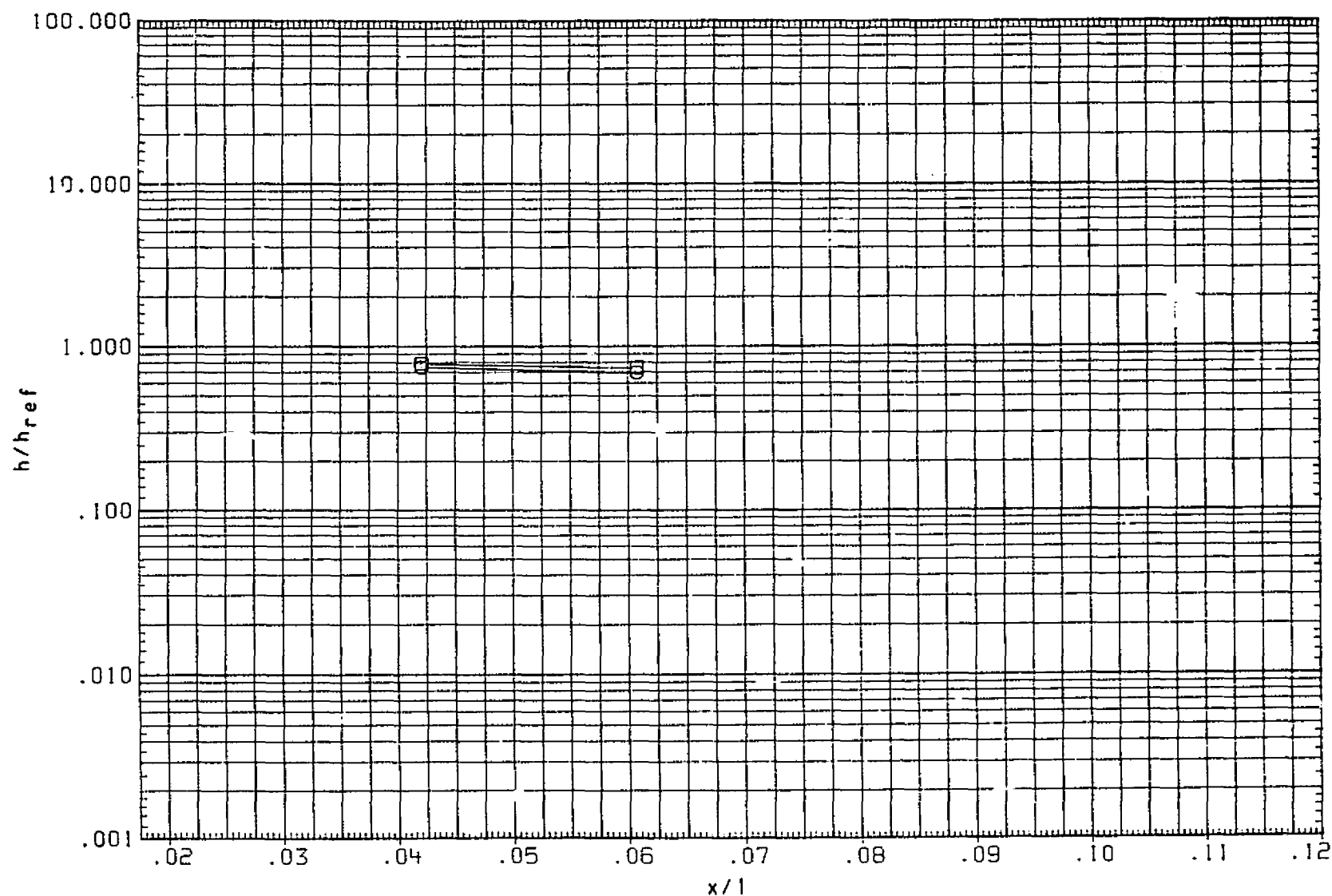


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = -.004

PAGE 1552

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH)4)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH)4)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

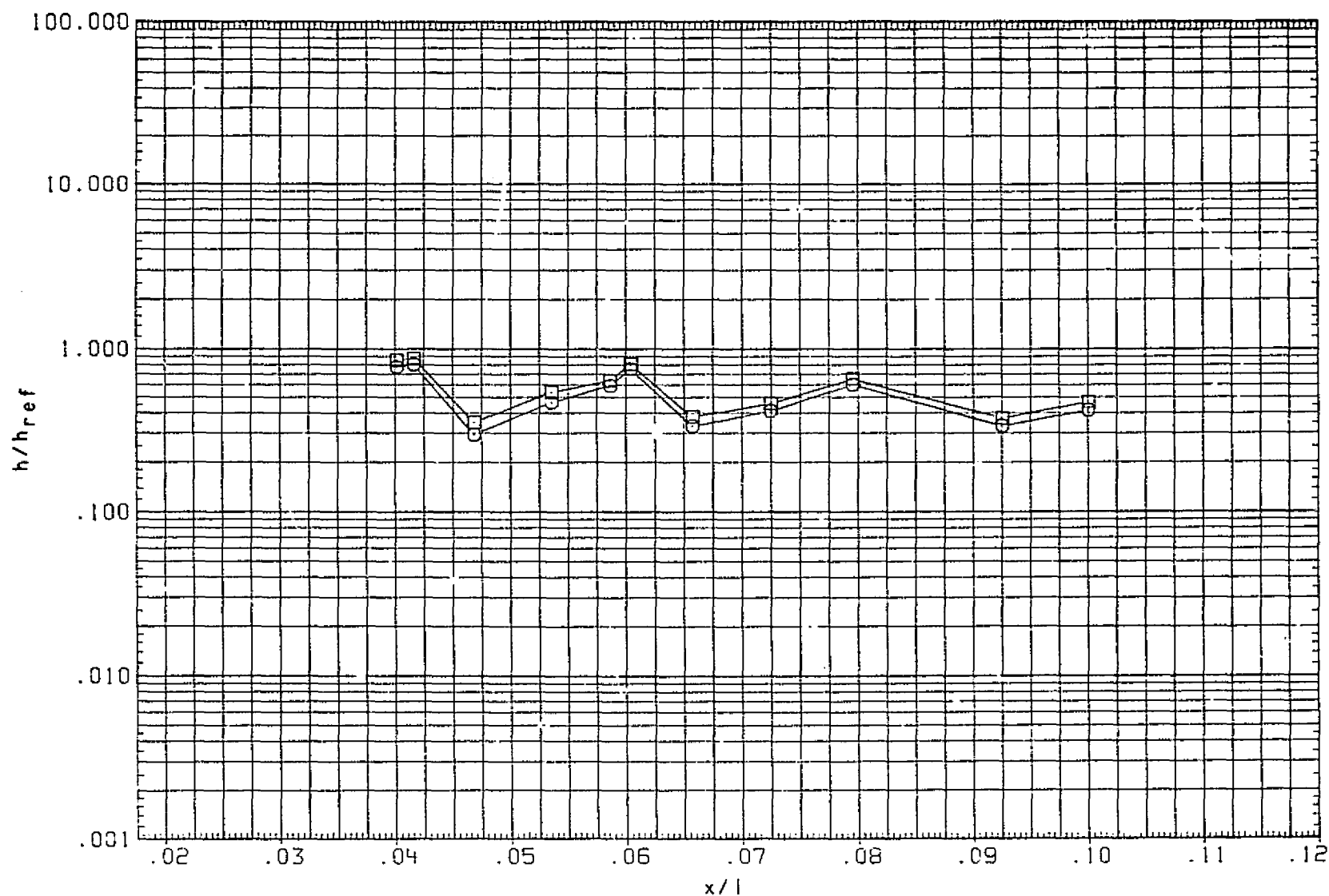


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = -.002

PAGE 1553

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNT03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNT05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

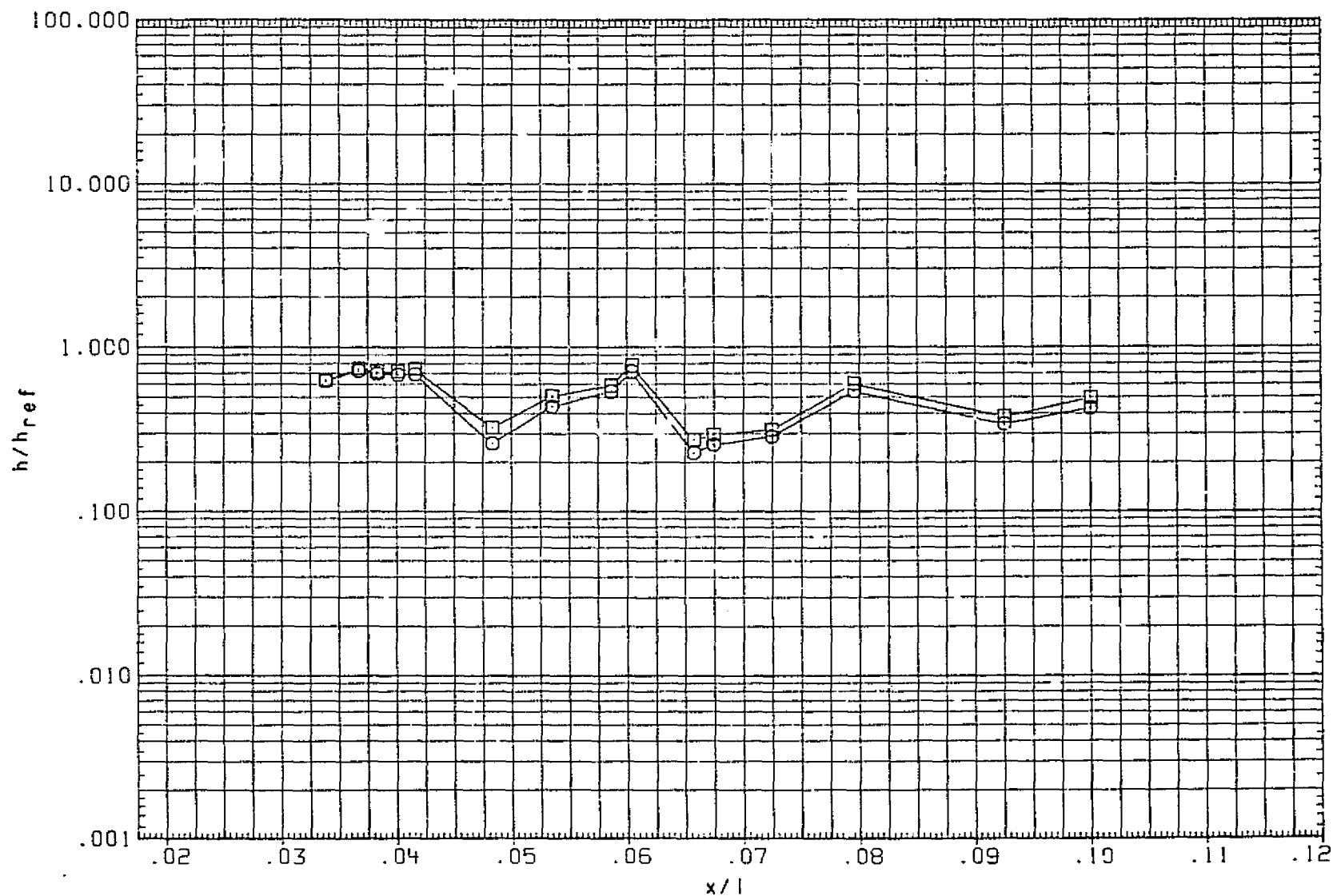


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = .001

PAGE 1554

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

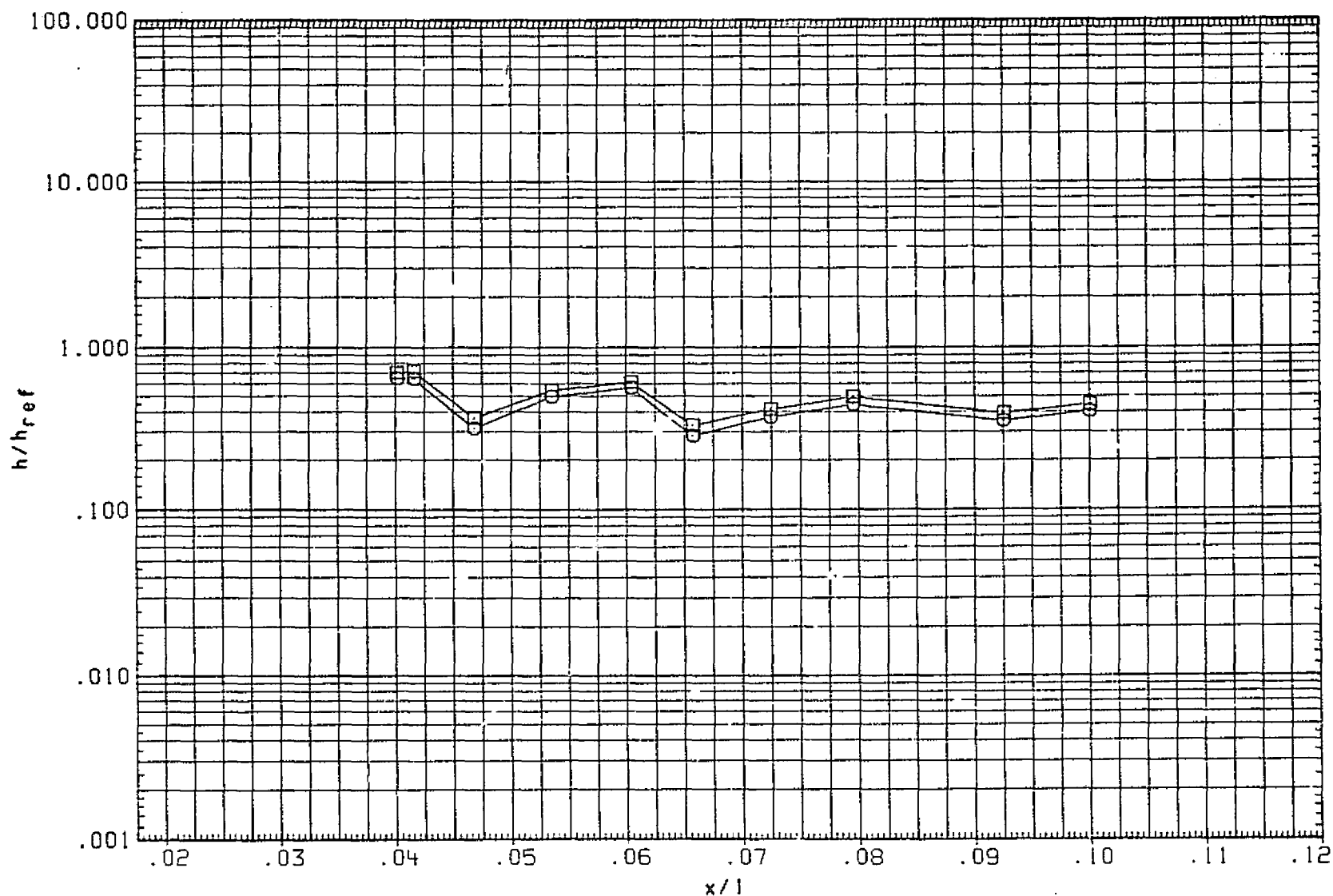


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

M/CH = 5.300 HAW/HT = .900 DY/L = .004

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

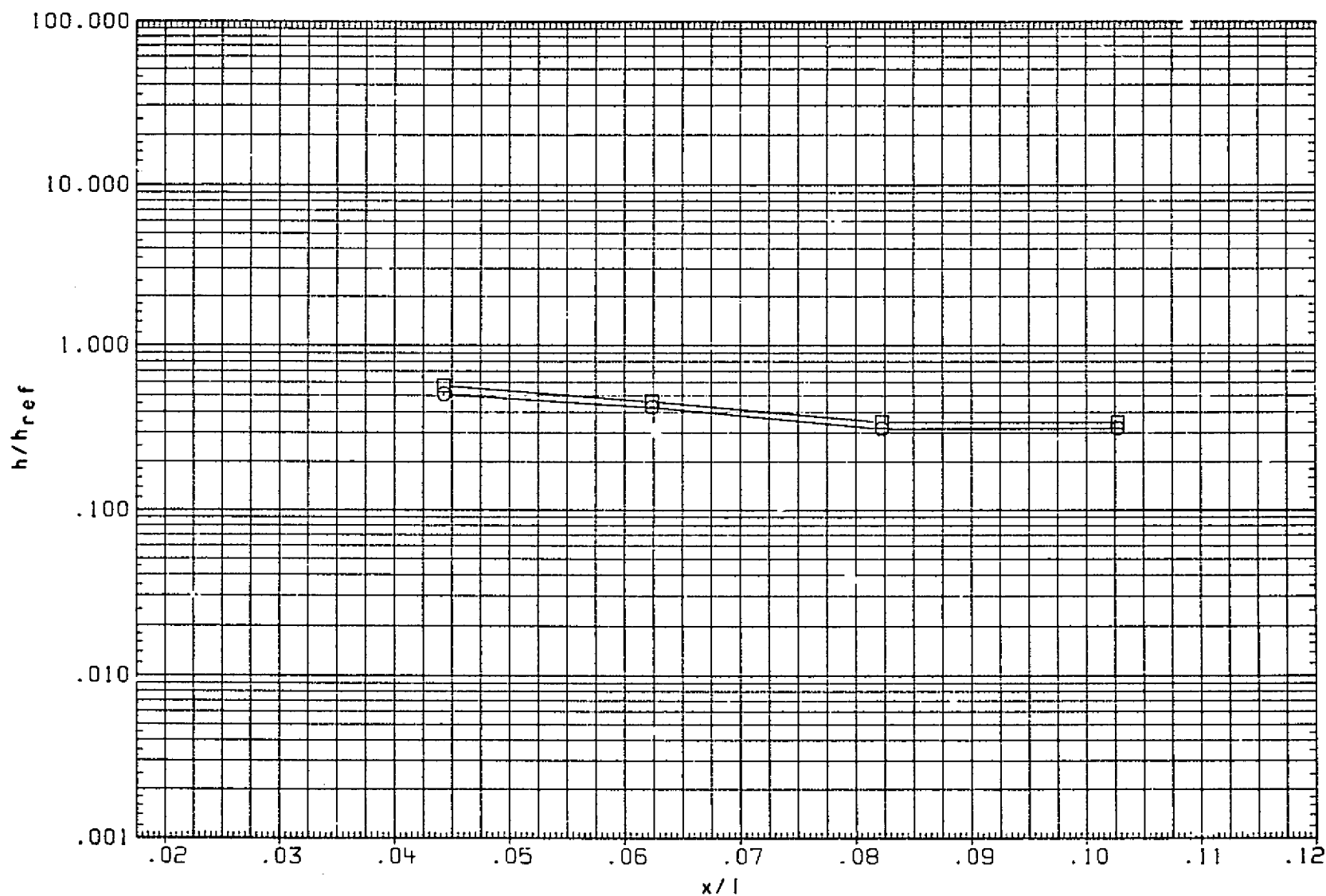


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = .007

PAGE 1556

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	Re/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

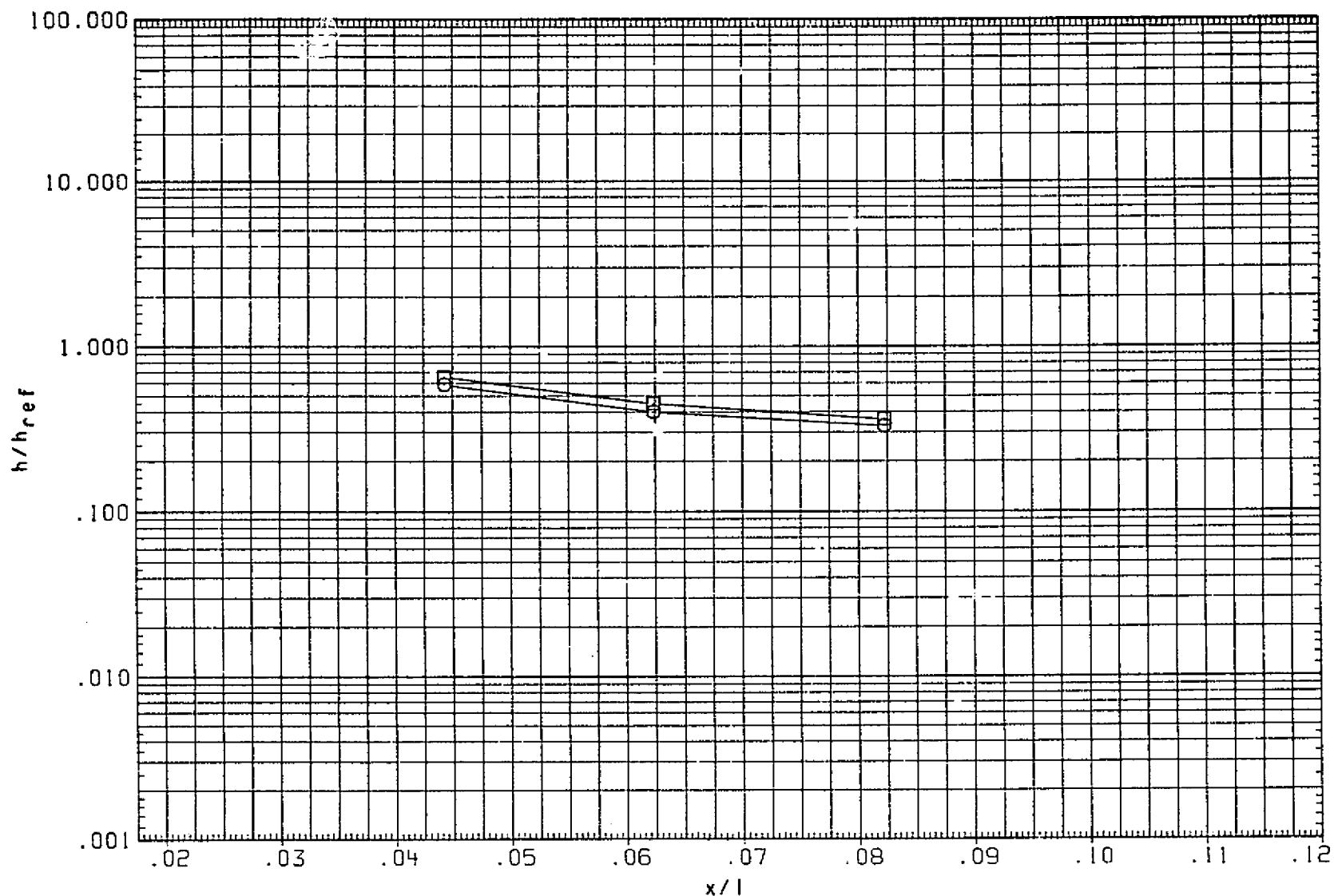


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 DY/L = .009

PAGE 1557



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTP03)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTP05)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

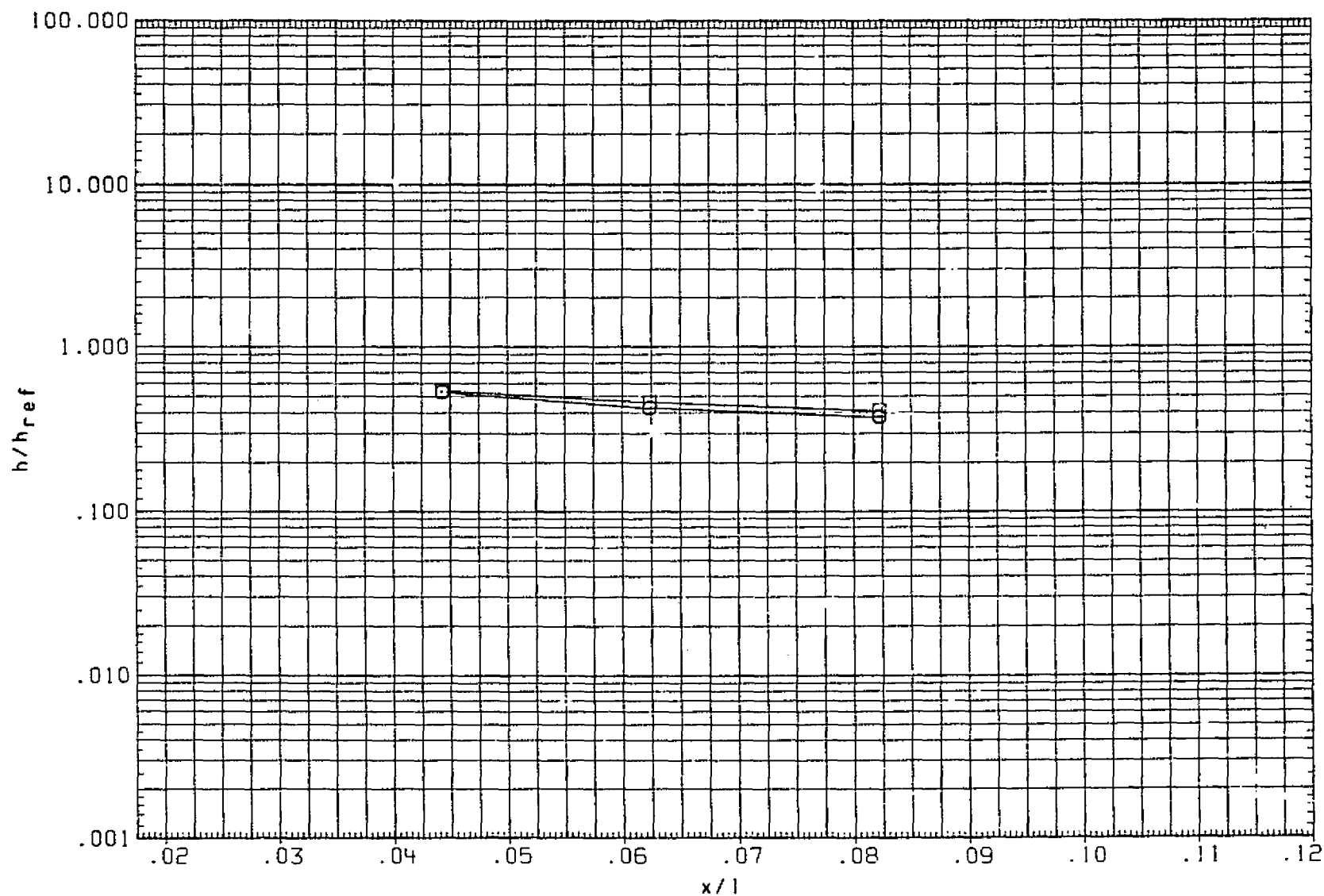


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.007

PAGE 1558

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

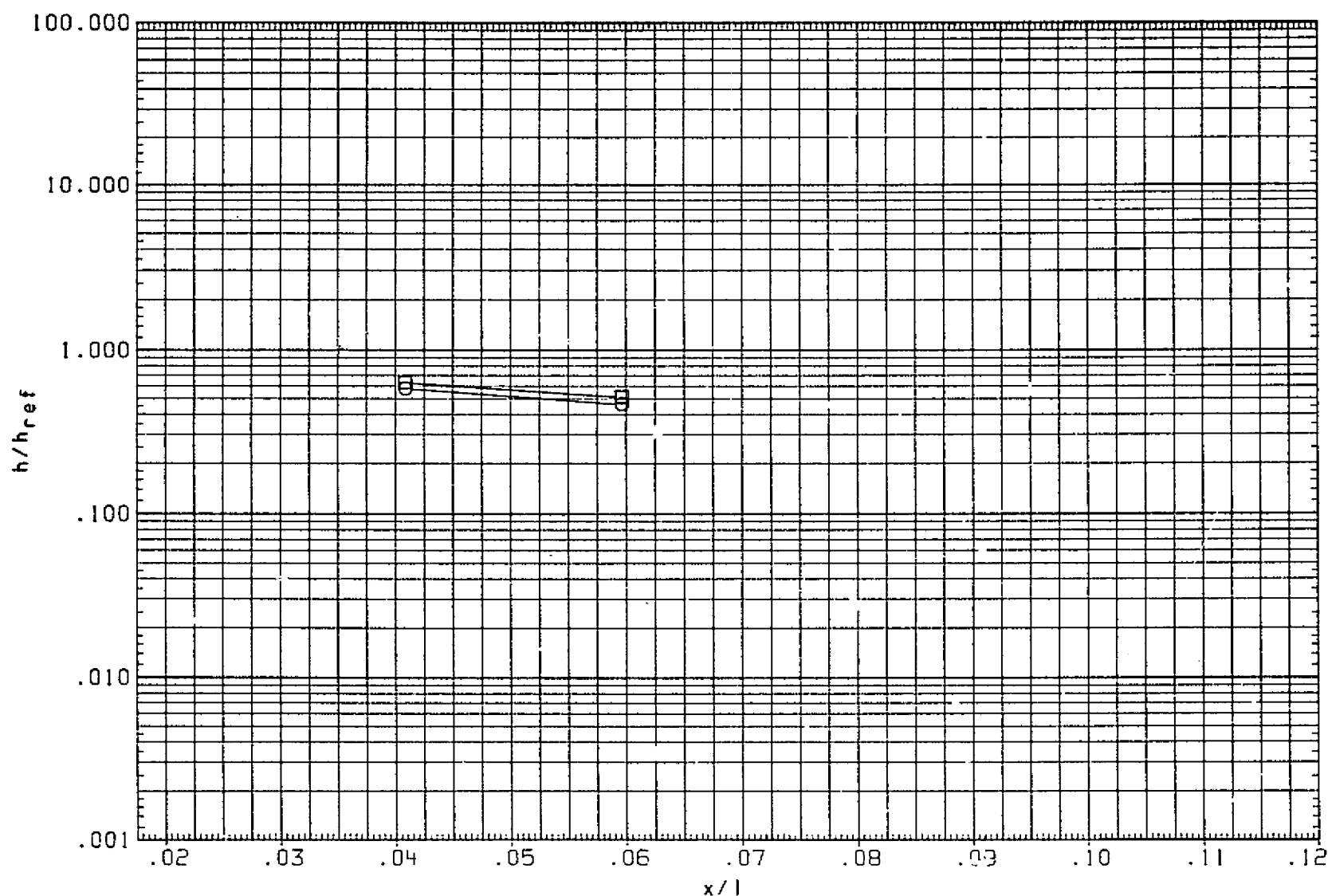


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = -.006

PAGE 1559

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

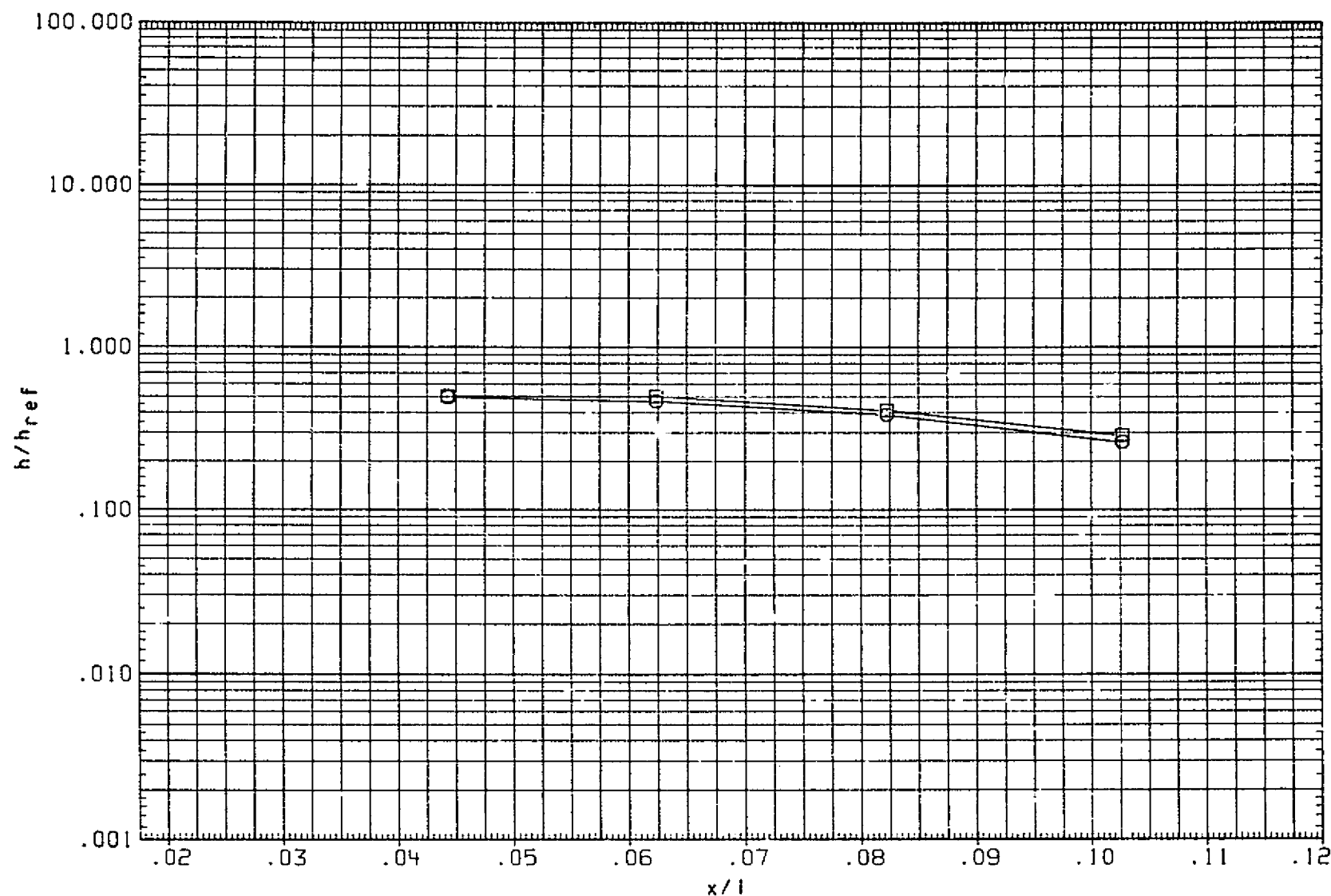


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.005

PAGE 1560

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	Re/L
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)	.000	.000	5.000

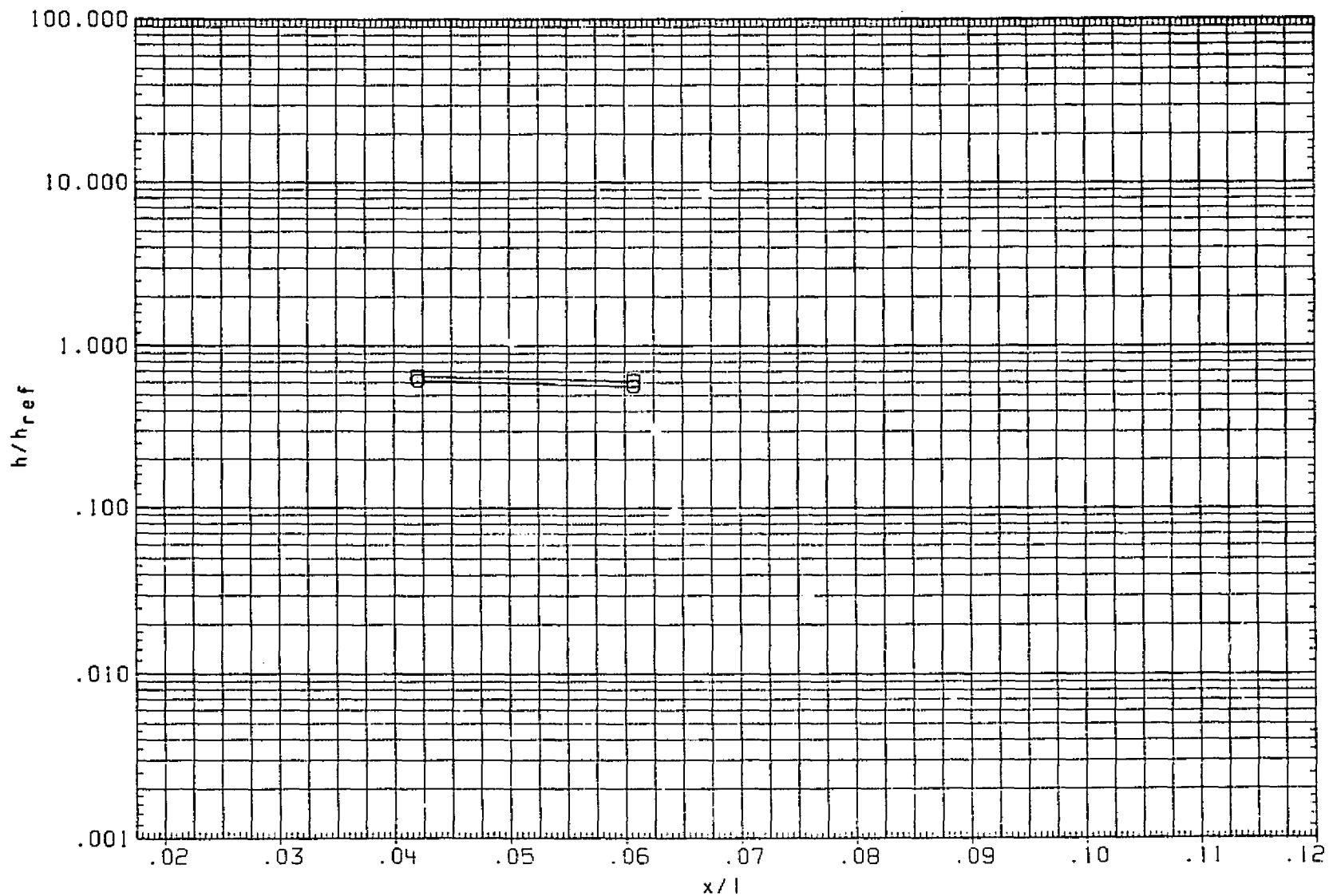


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.004

PAGE 1561

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

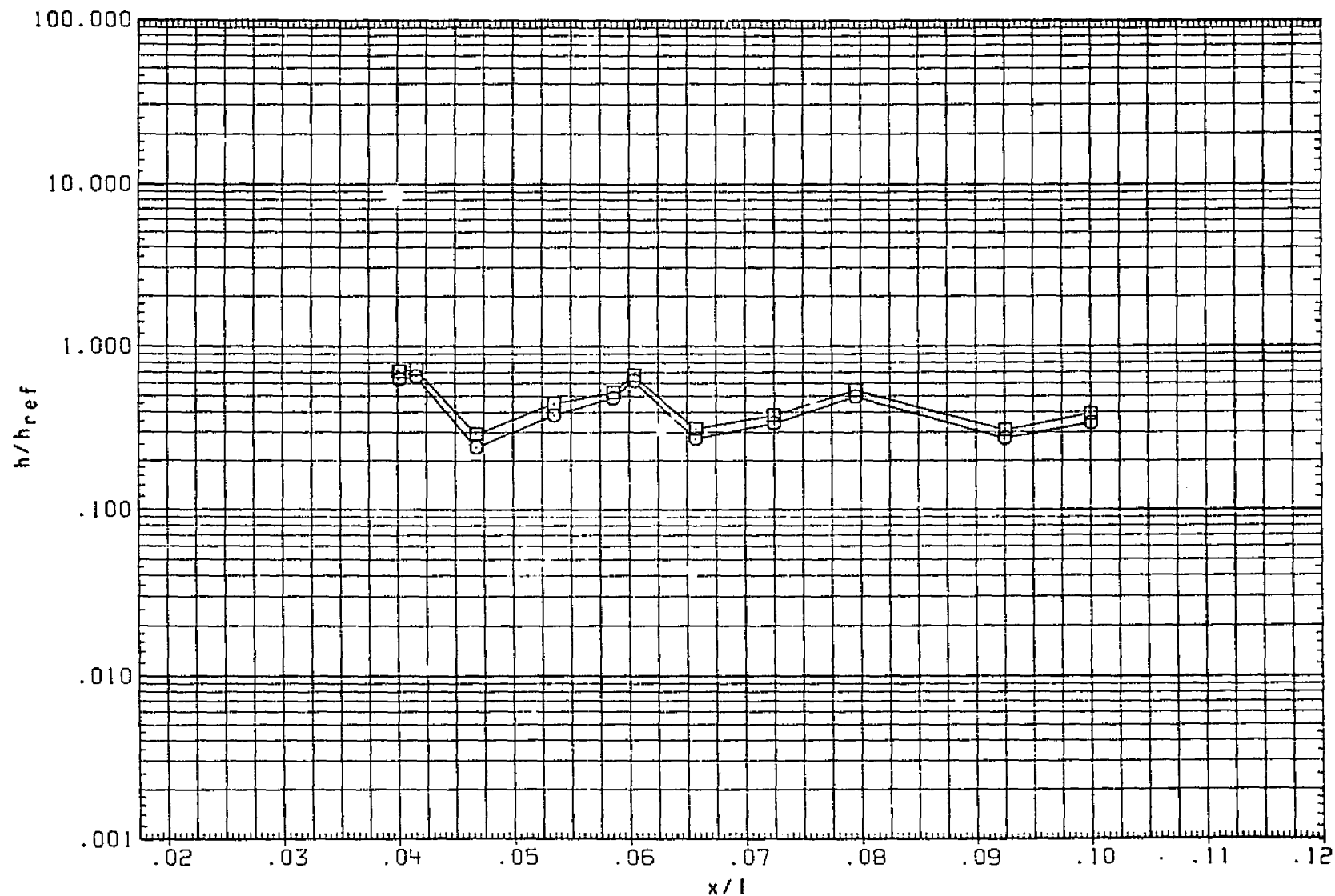


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.002

PAGE 1562

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

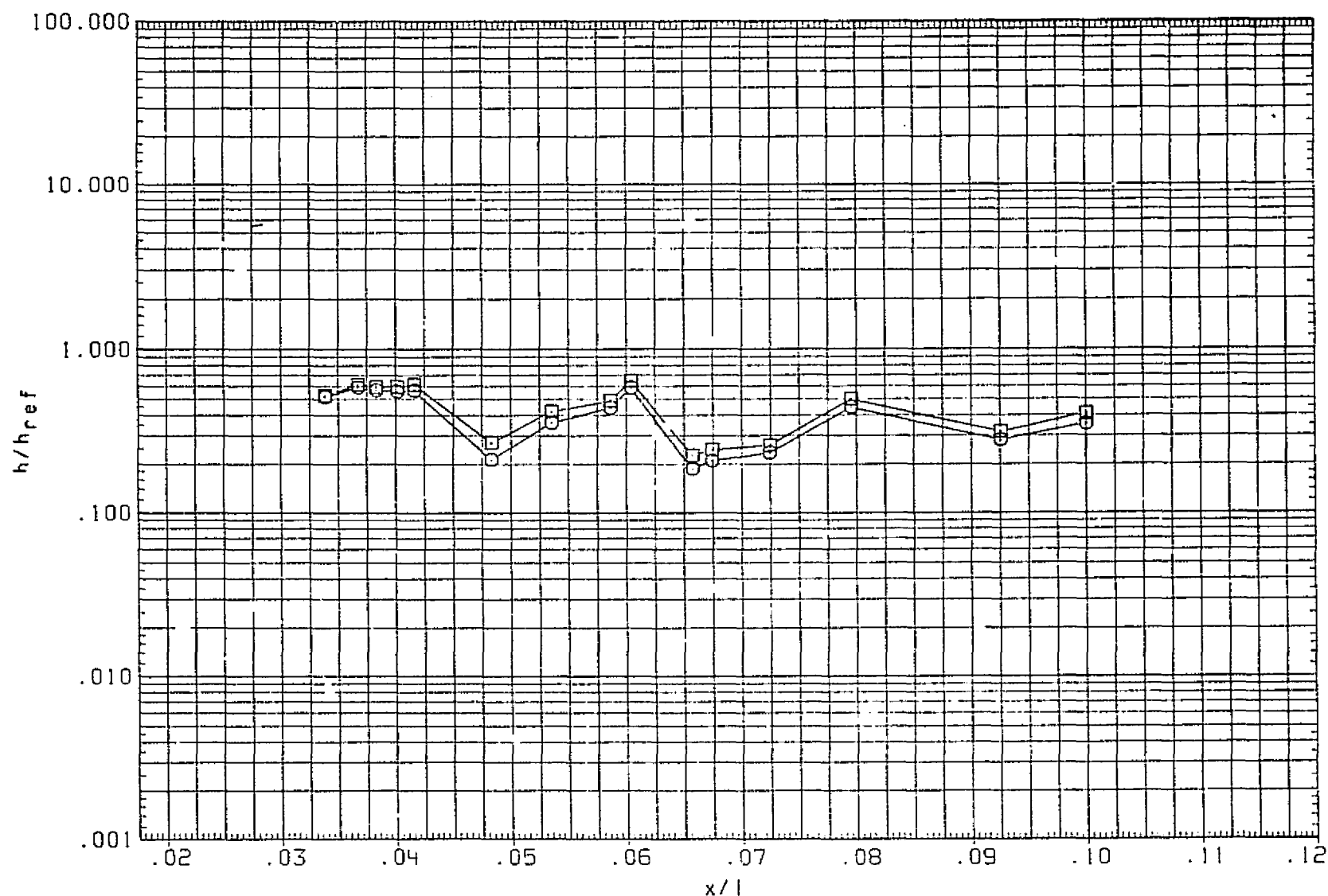


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = .001

PAGE 1563

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
1RNT031	C	ARC3.5-715(FH14)PROTUB AREA (PROTUB ON)
1RNT051	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

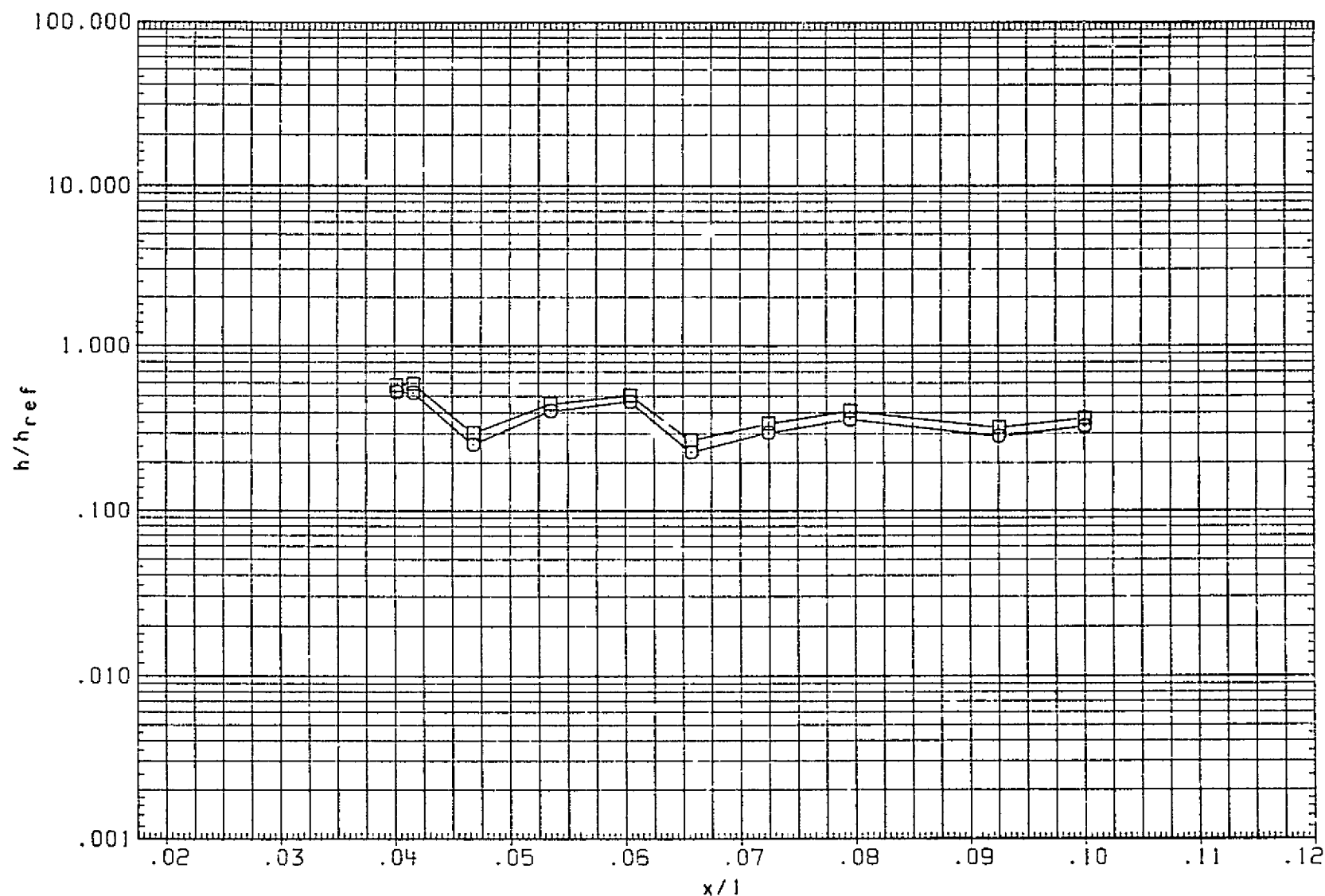


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = .004

PAGE 1564

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTPO3)	○	ARC3.5-215(FH(4)PROTUB AREA (PROTUB ON)	.000	.000	3.000
(RNTPO5)	□	ARC3.5-215(FH(4)PROTUB AREA (PROTUB ON)	.000	.000	5.000

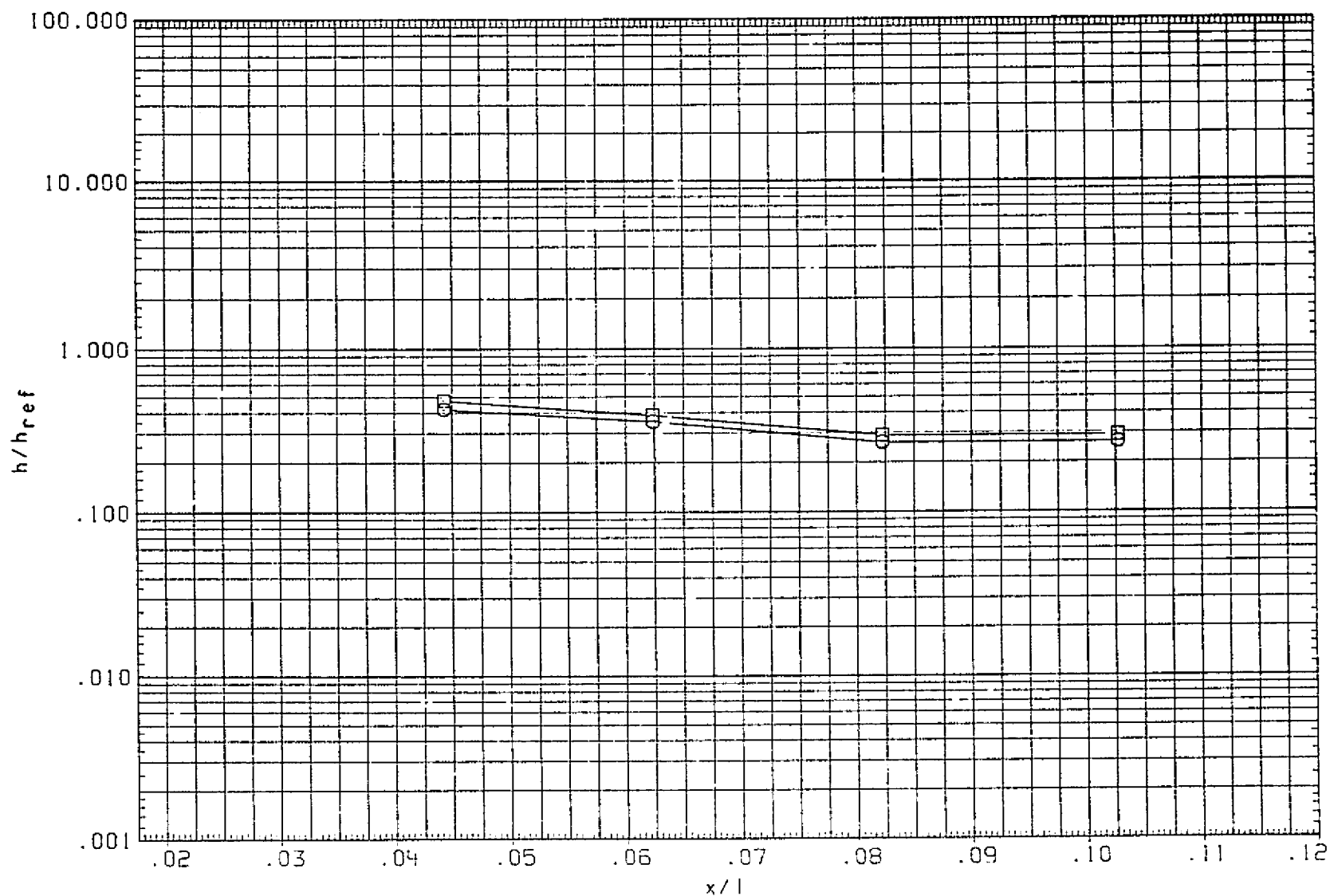


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = .007



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTPO3)	○	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)
(RNTPO5)	□	ARC3.5-215(FH14)PROTUB AREA (PROTUB ON)

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000

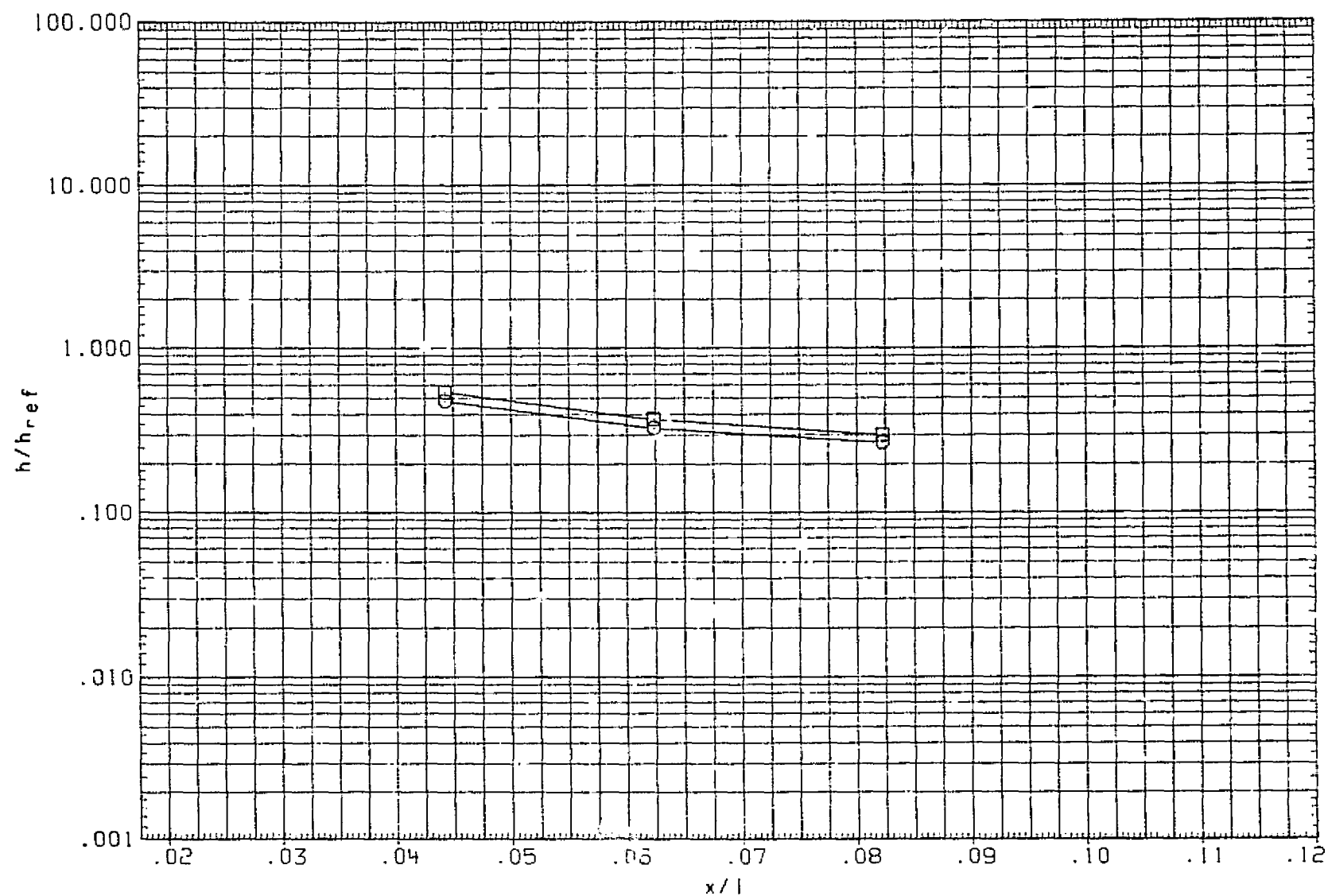


FIG. 18 EXTERNAL PROTUB. AREA, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 DY/L = .009

PAGE 1566

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

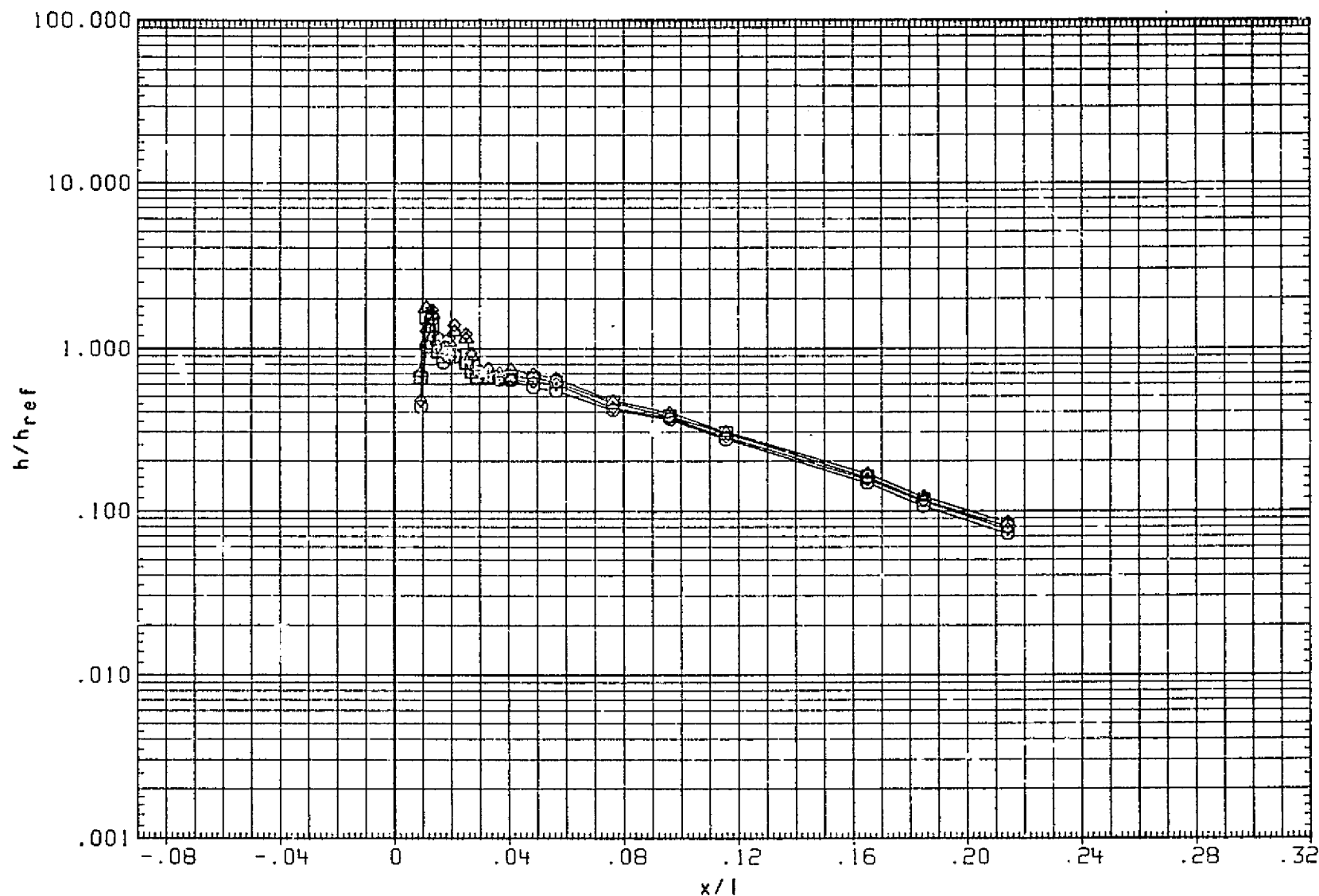


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

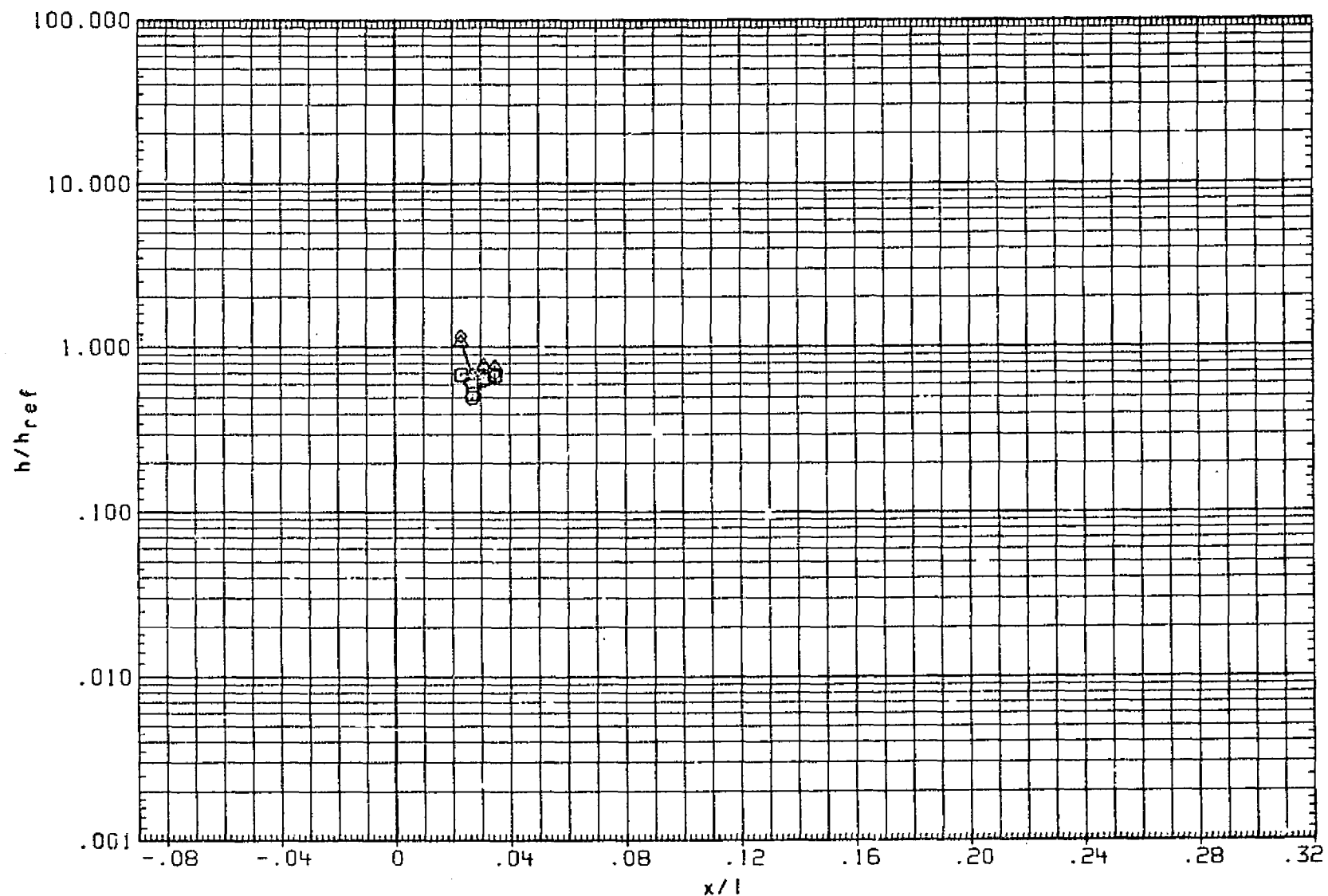


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 10.000

PAGE 1568

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	PN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

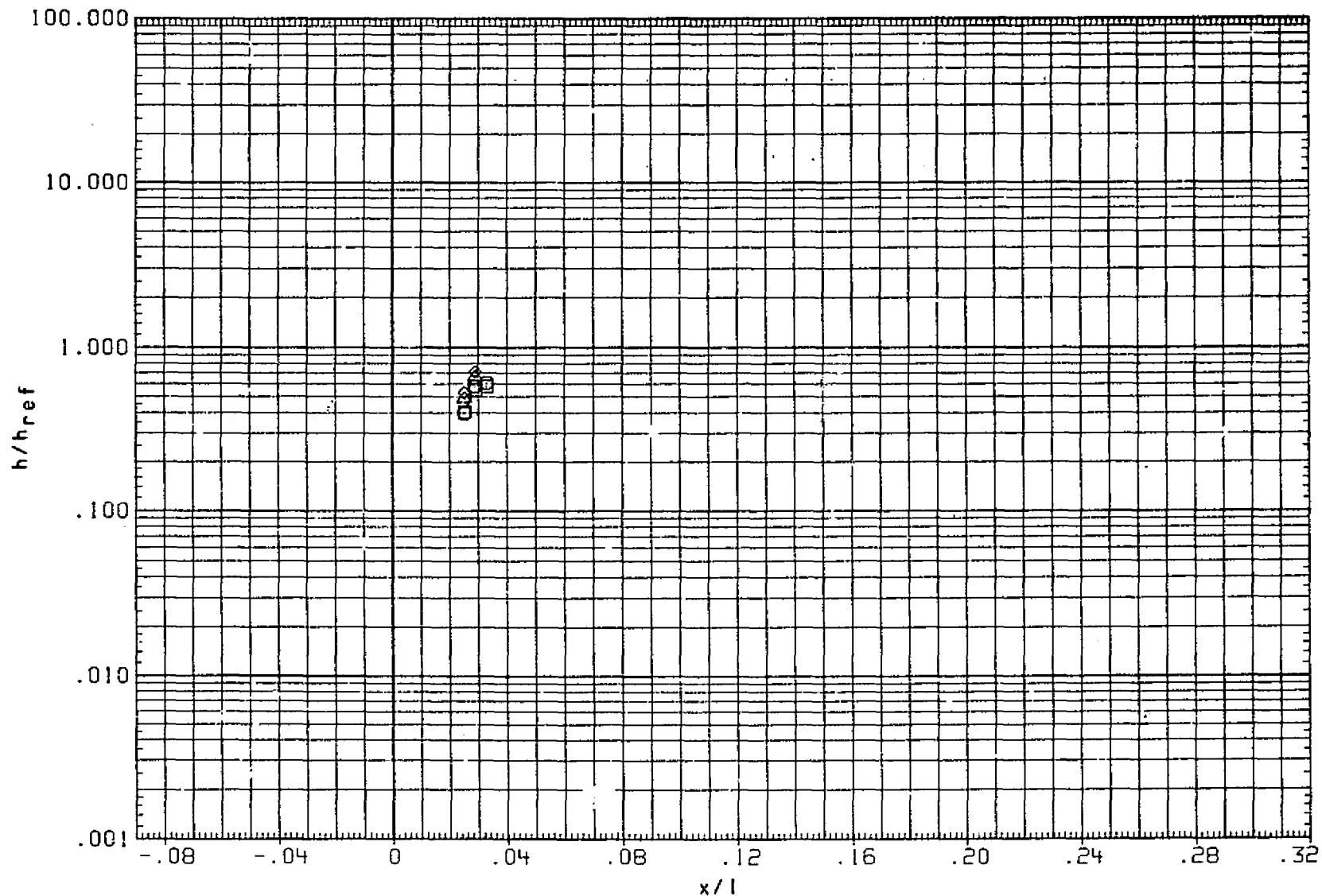


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 20.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	Re/L
(RNTT03)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

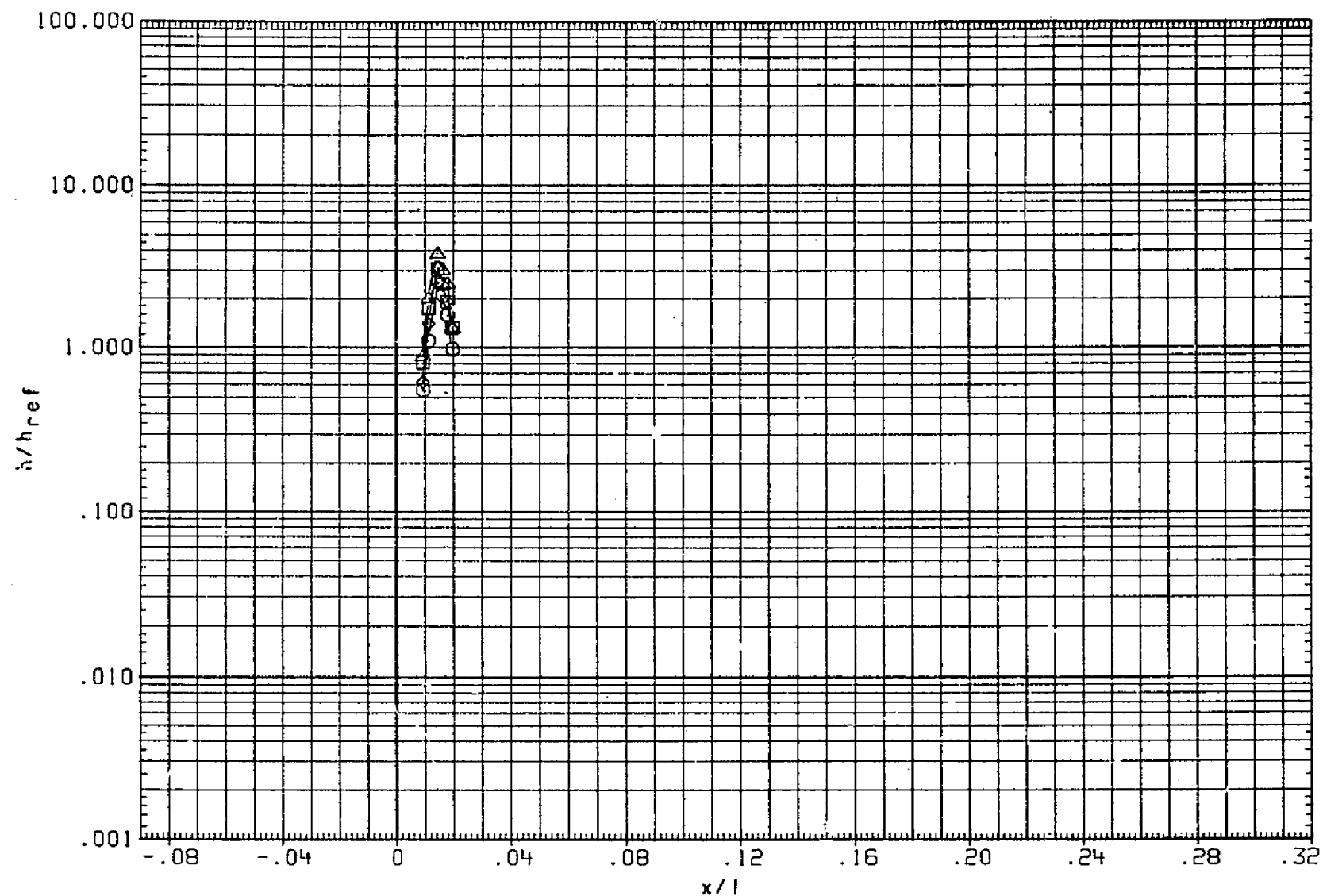


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 31.500

PAGE 1570

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

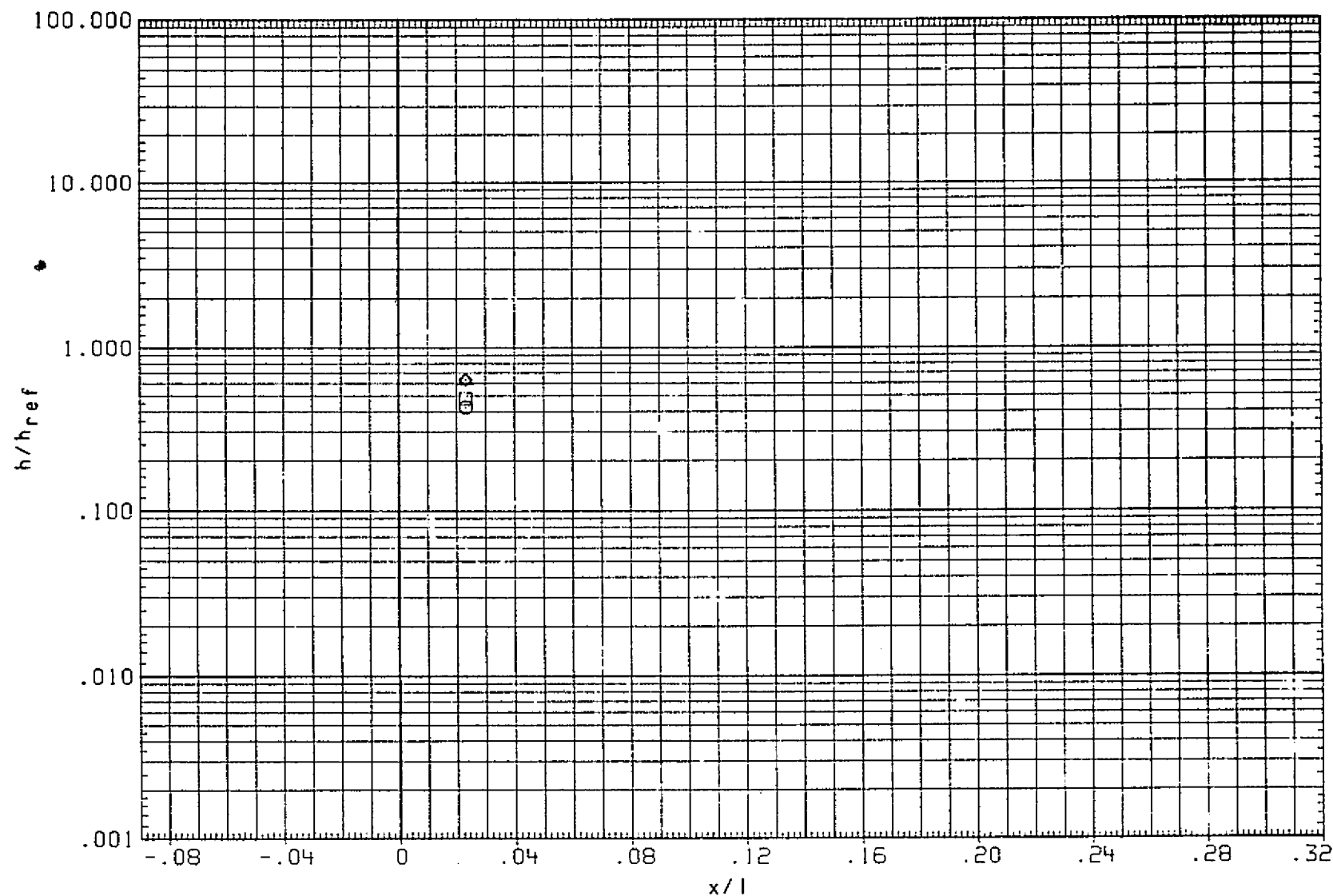


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

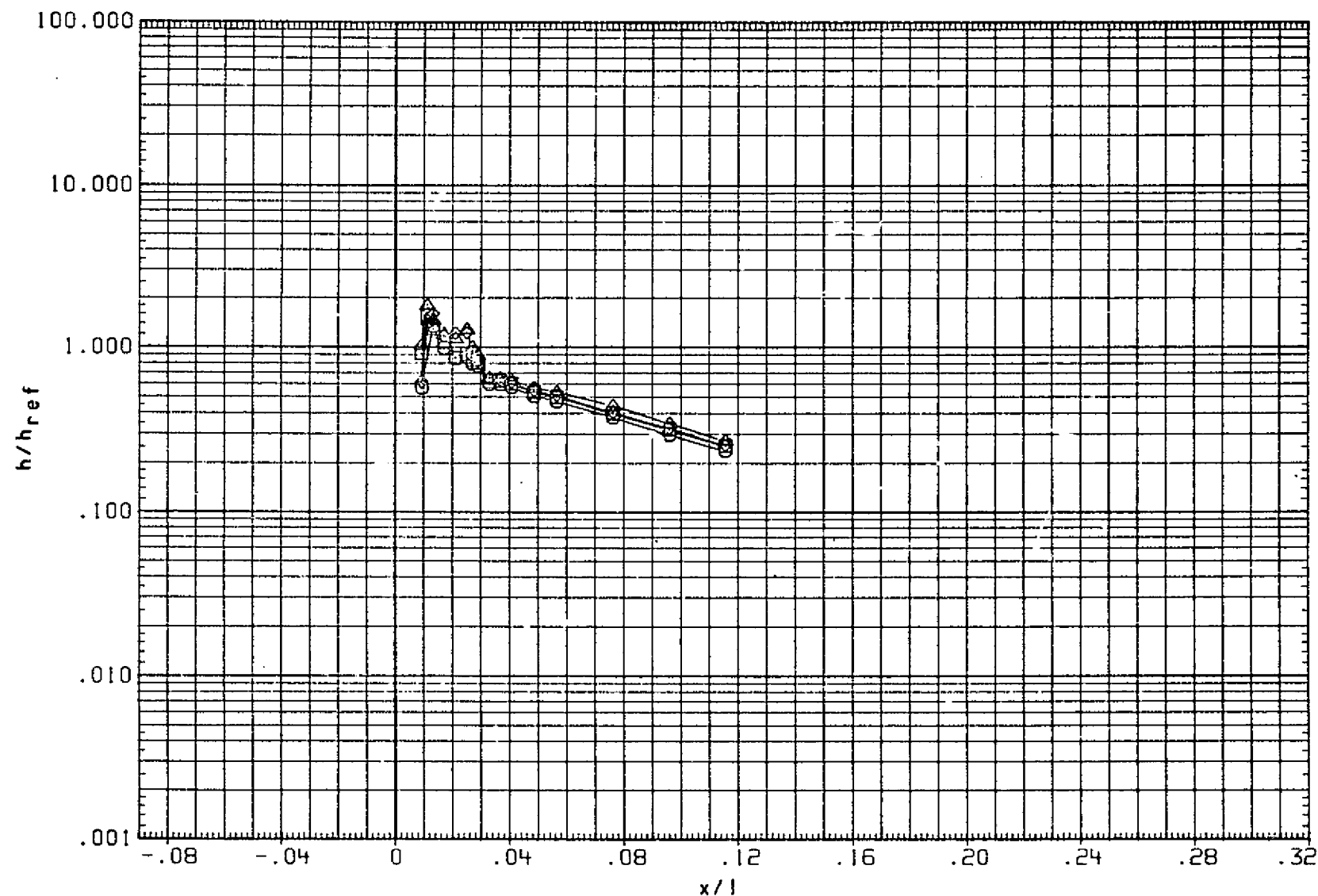


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 1572

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

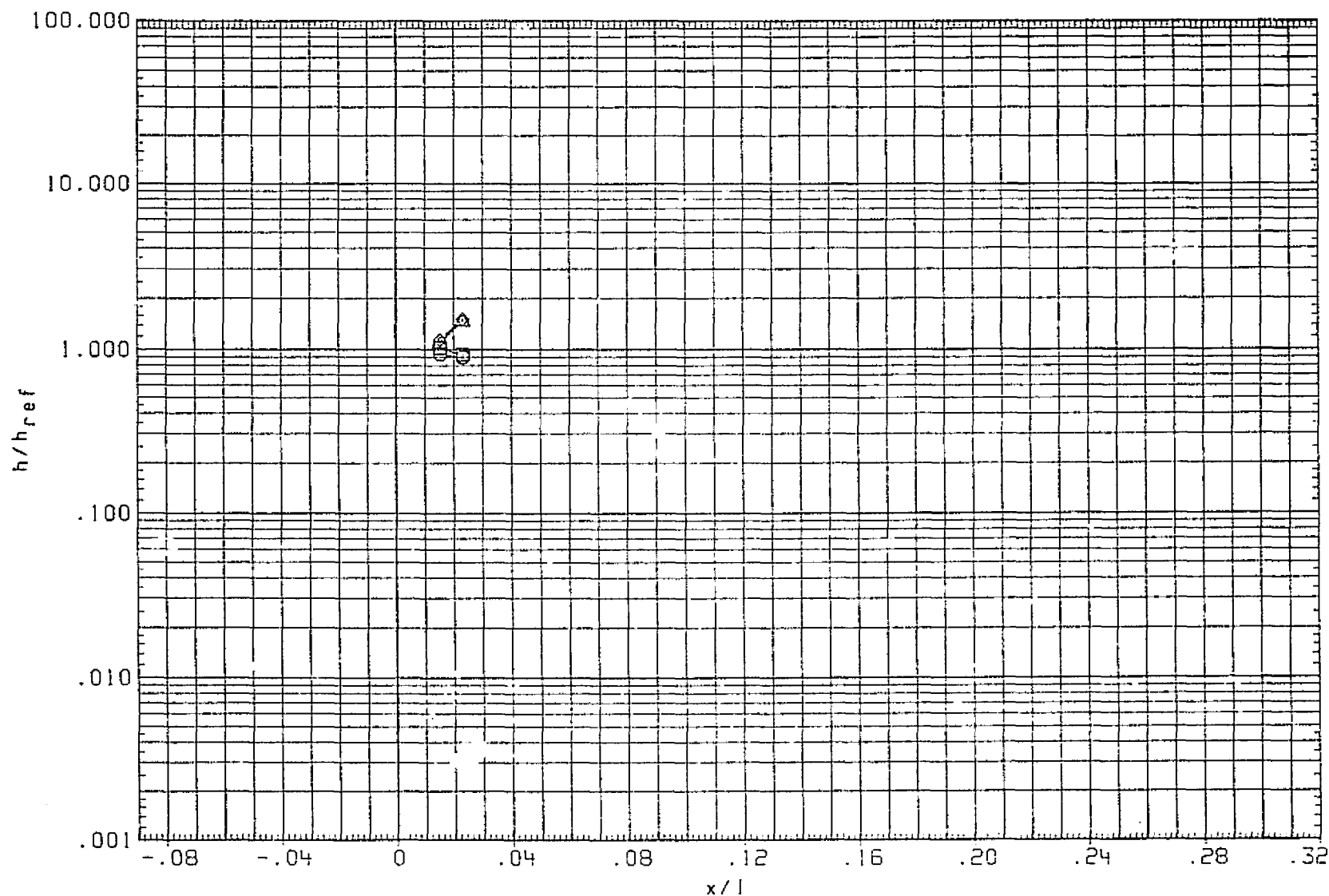


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1573



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

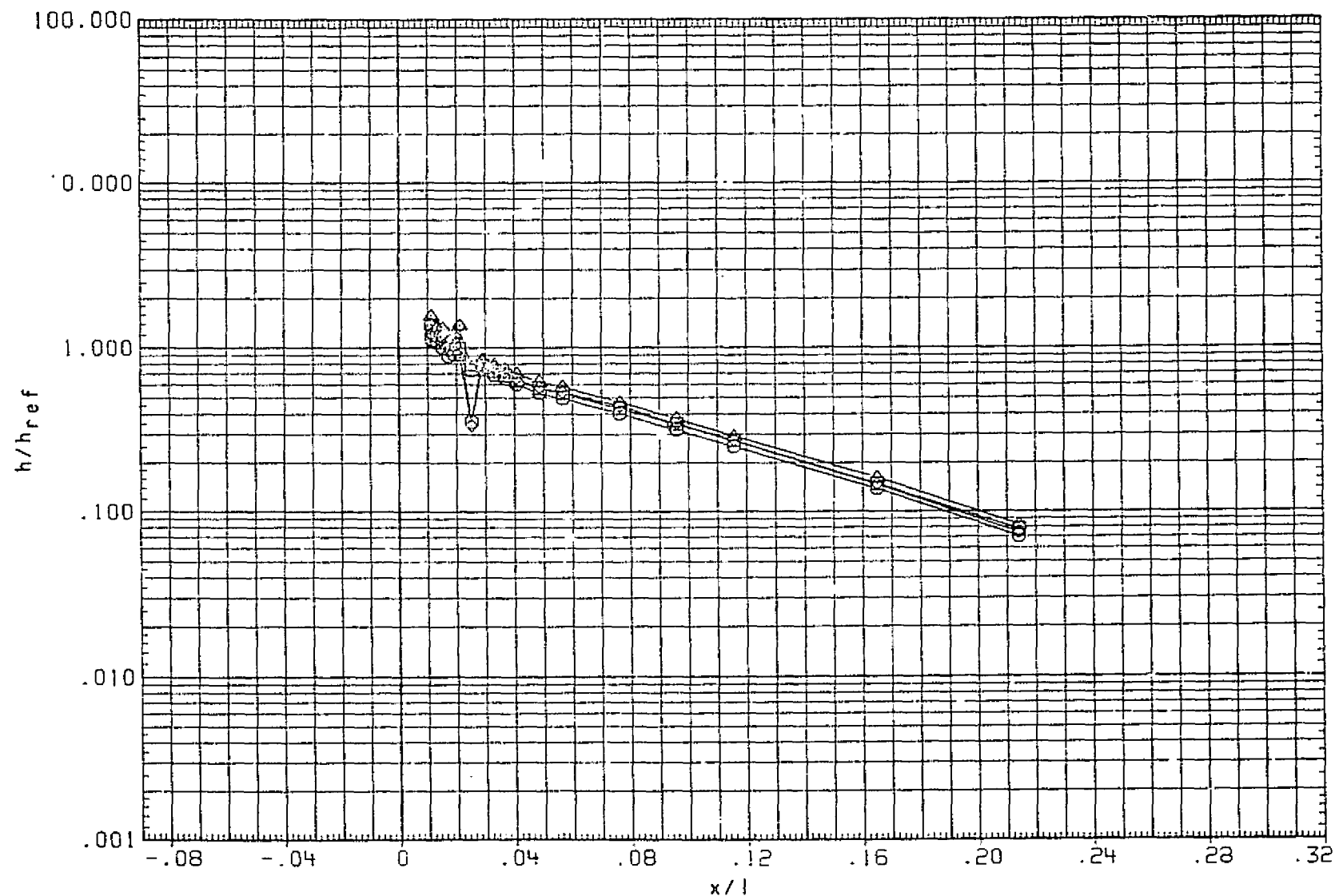


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 180.000

PAGE 1574

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	DATA NOT AVAILABLE	.000	.000	3.000
(RNTT17)	△	DATA NOT AVAILABLE	.000	.000	5.000

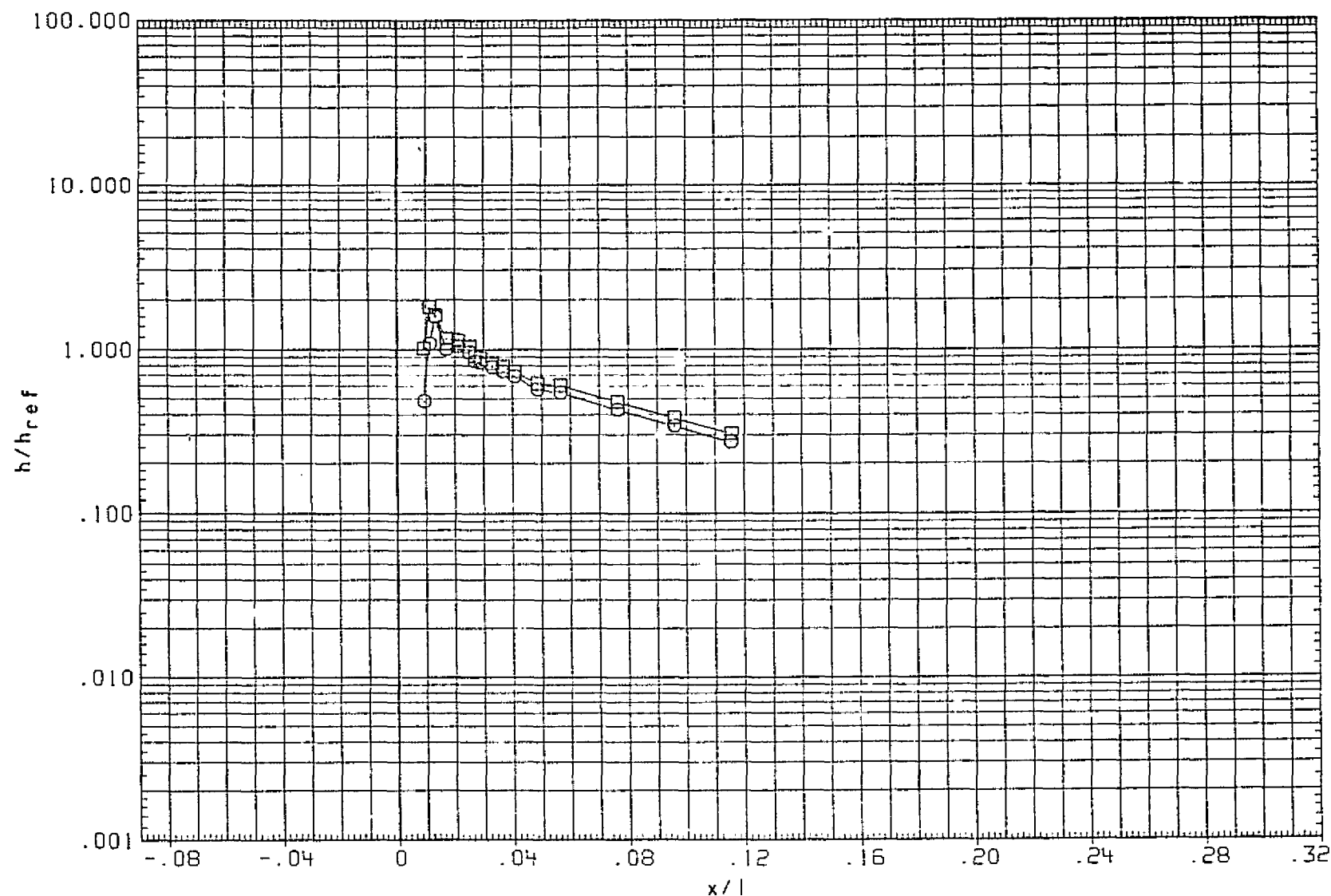


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT16)	◇	DATA NOT AVAILABLE
(RNTT17)	△	DATA NOT AVAILABLE

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000
.000	.000	3.000
.000	.000	5.000

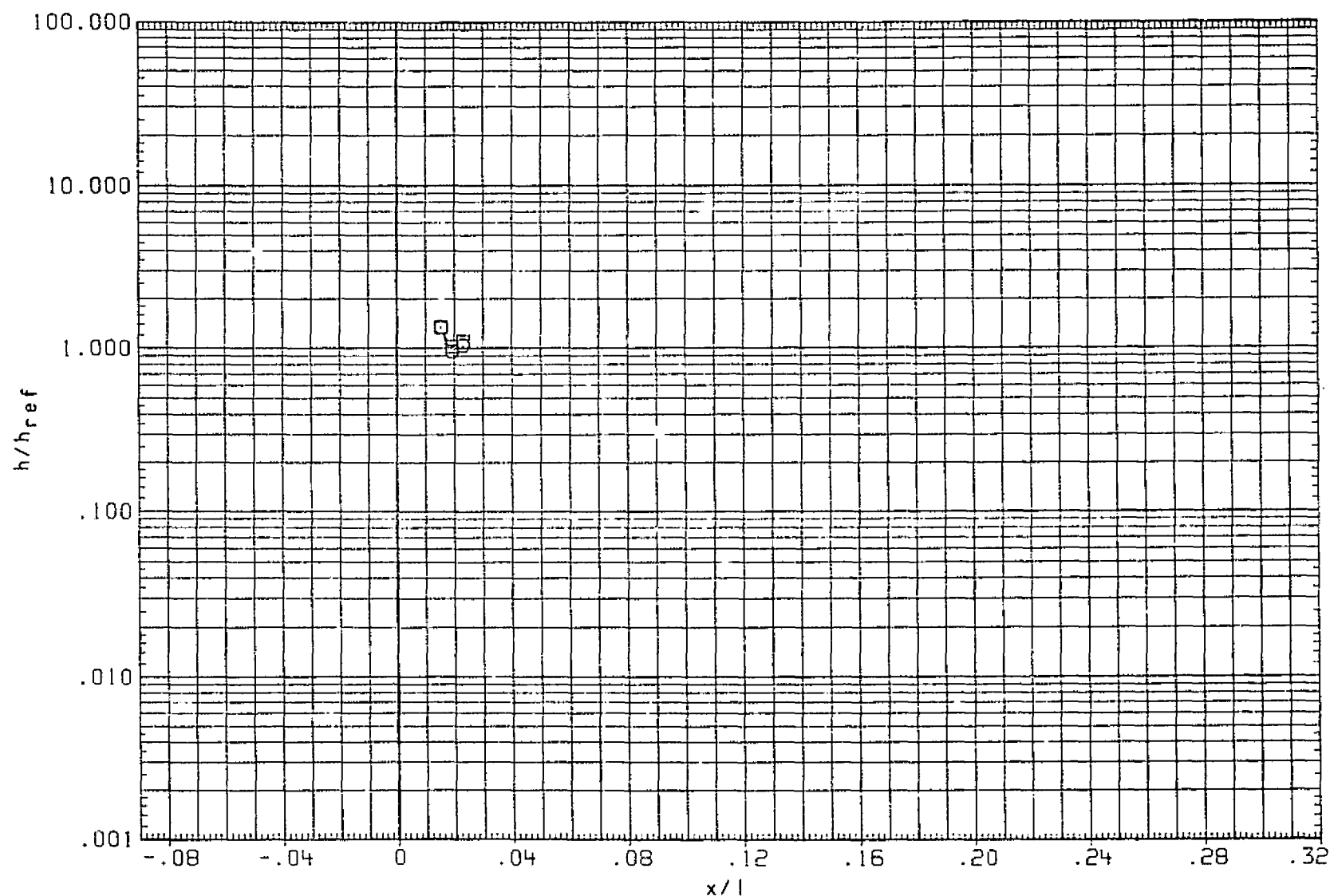


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .850 THETA = 315.000

PAGE 1576

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

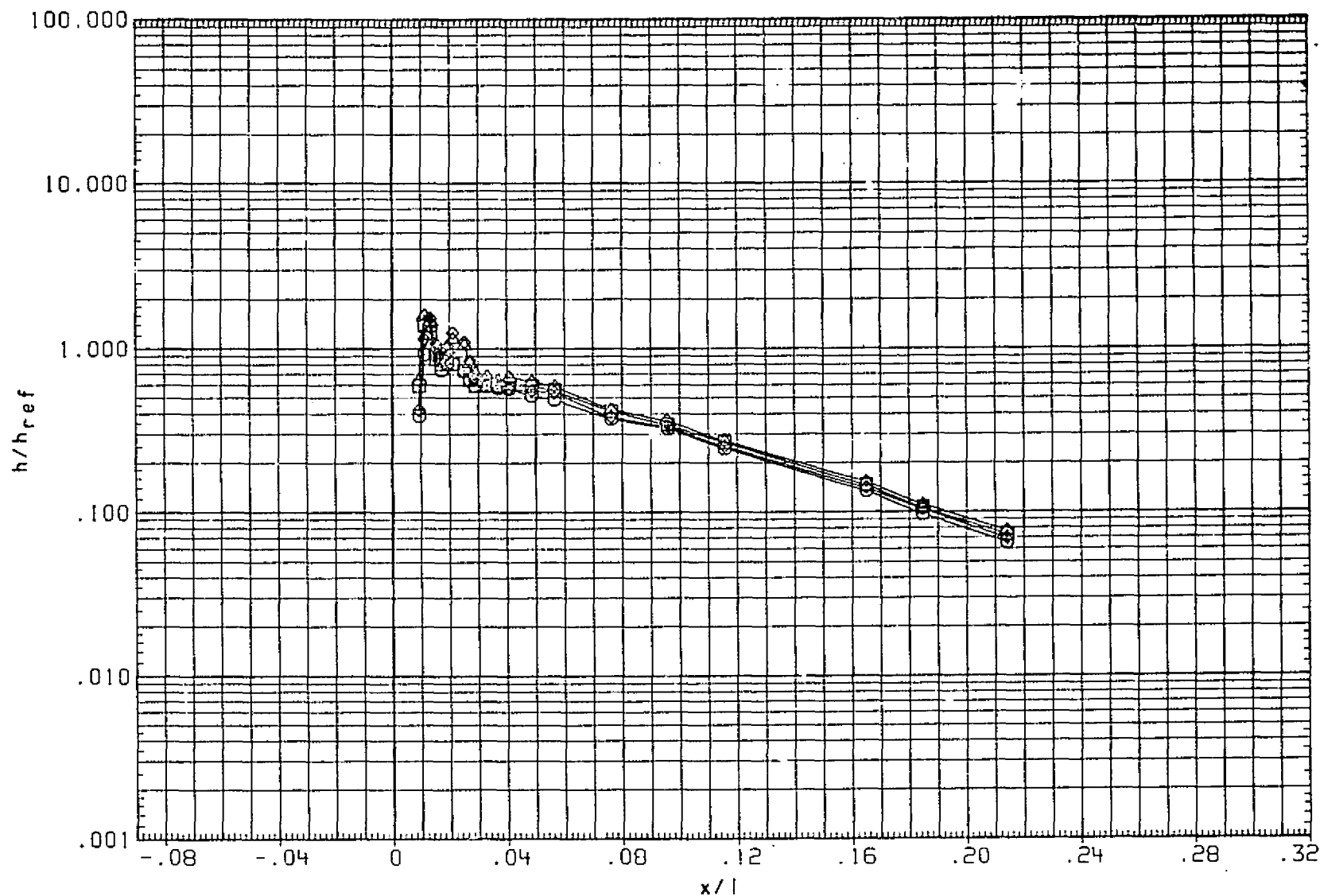


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HI = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

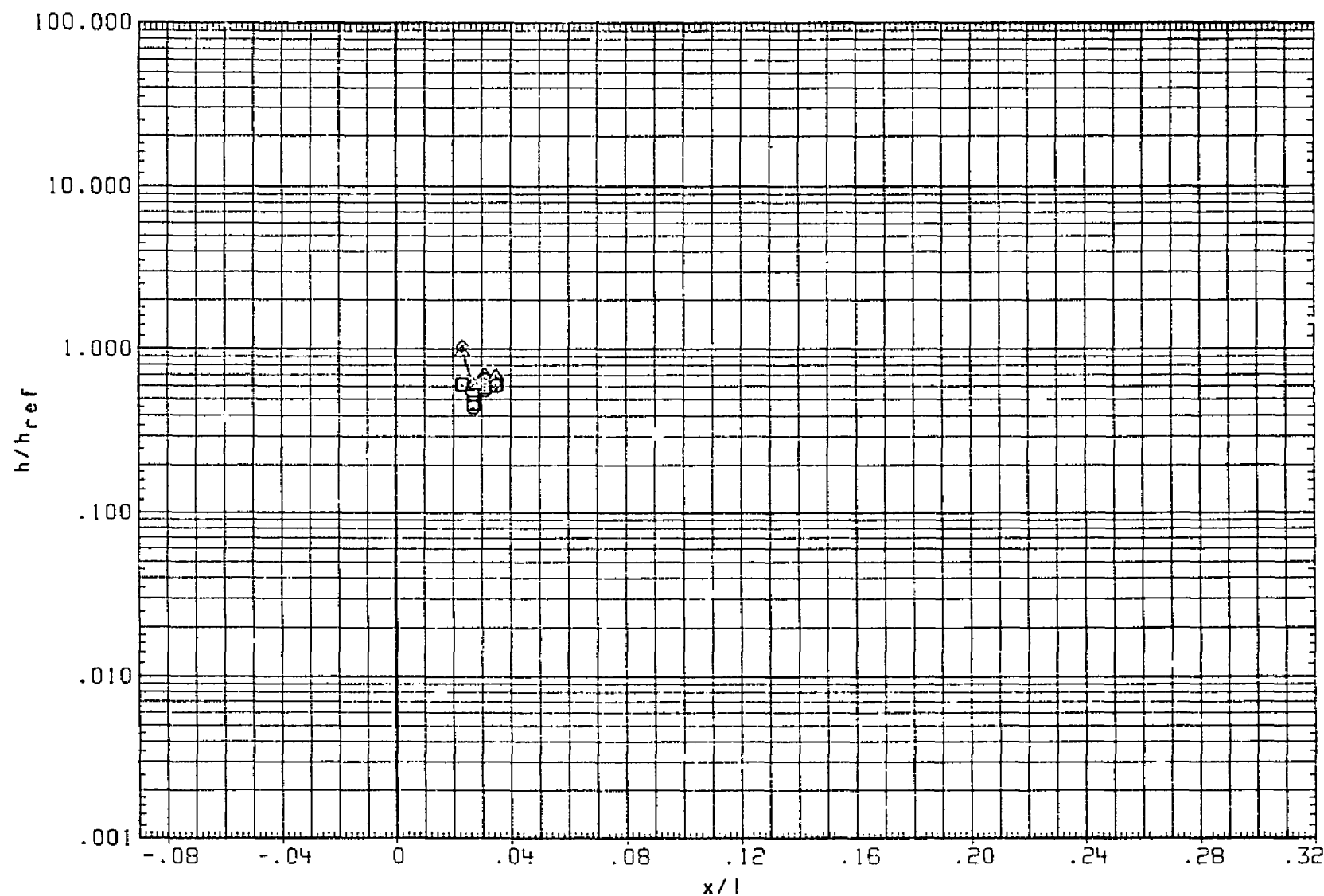


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 10.000

PAGE 1578

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

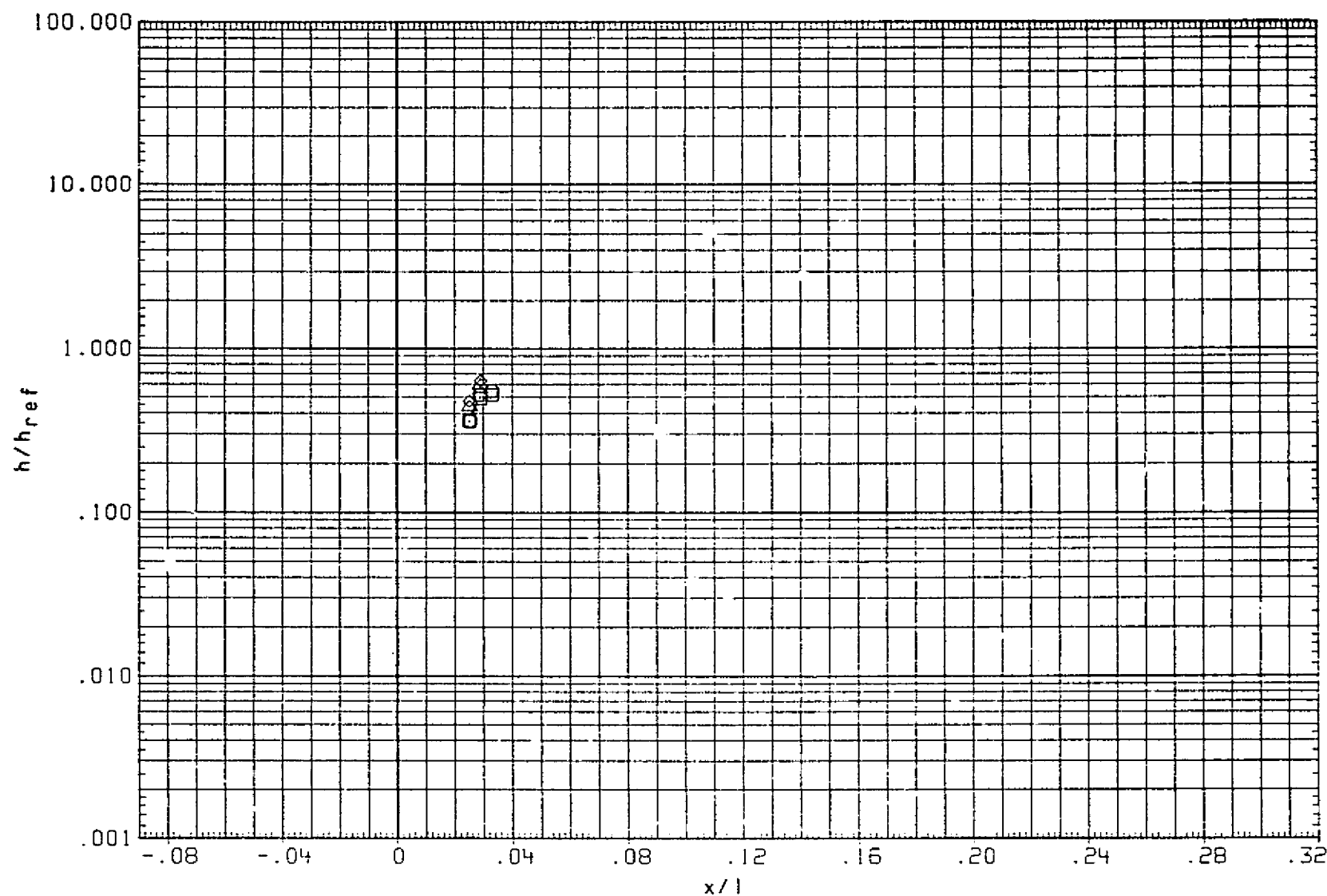


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1579

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

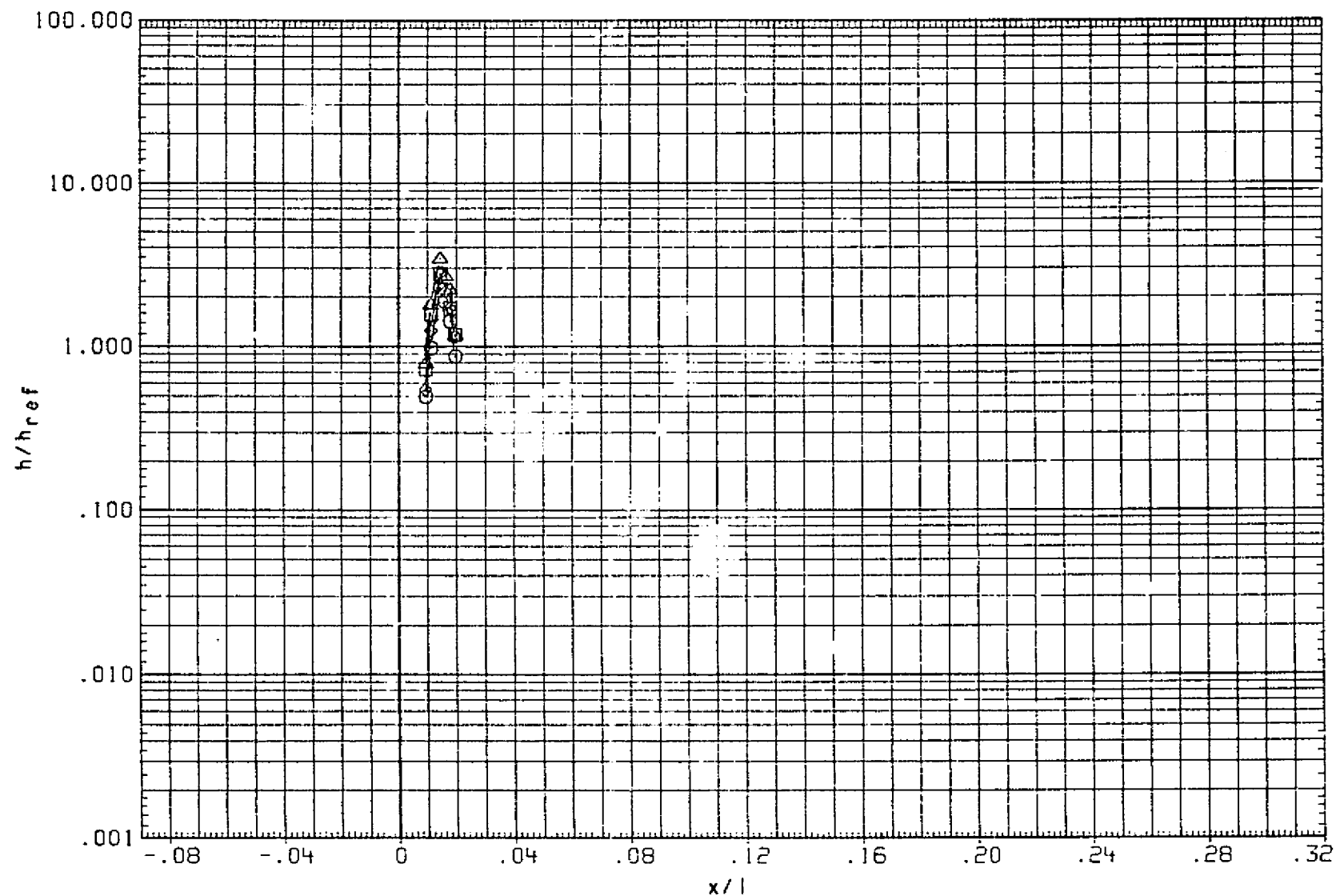


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 31.500

PAGE 1580

6.9

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

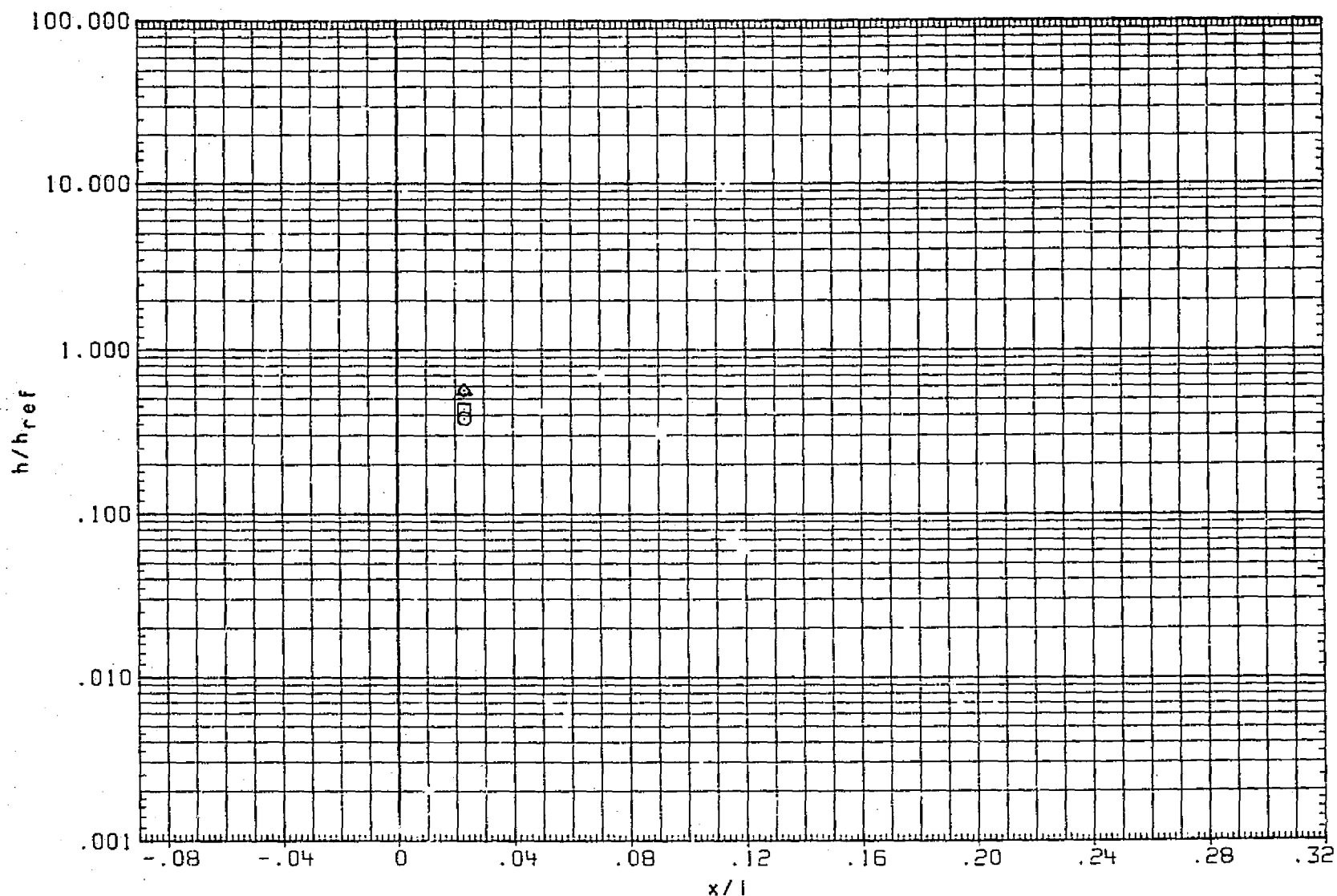


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 45.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

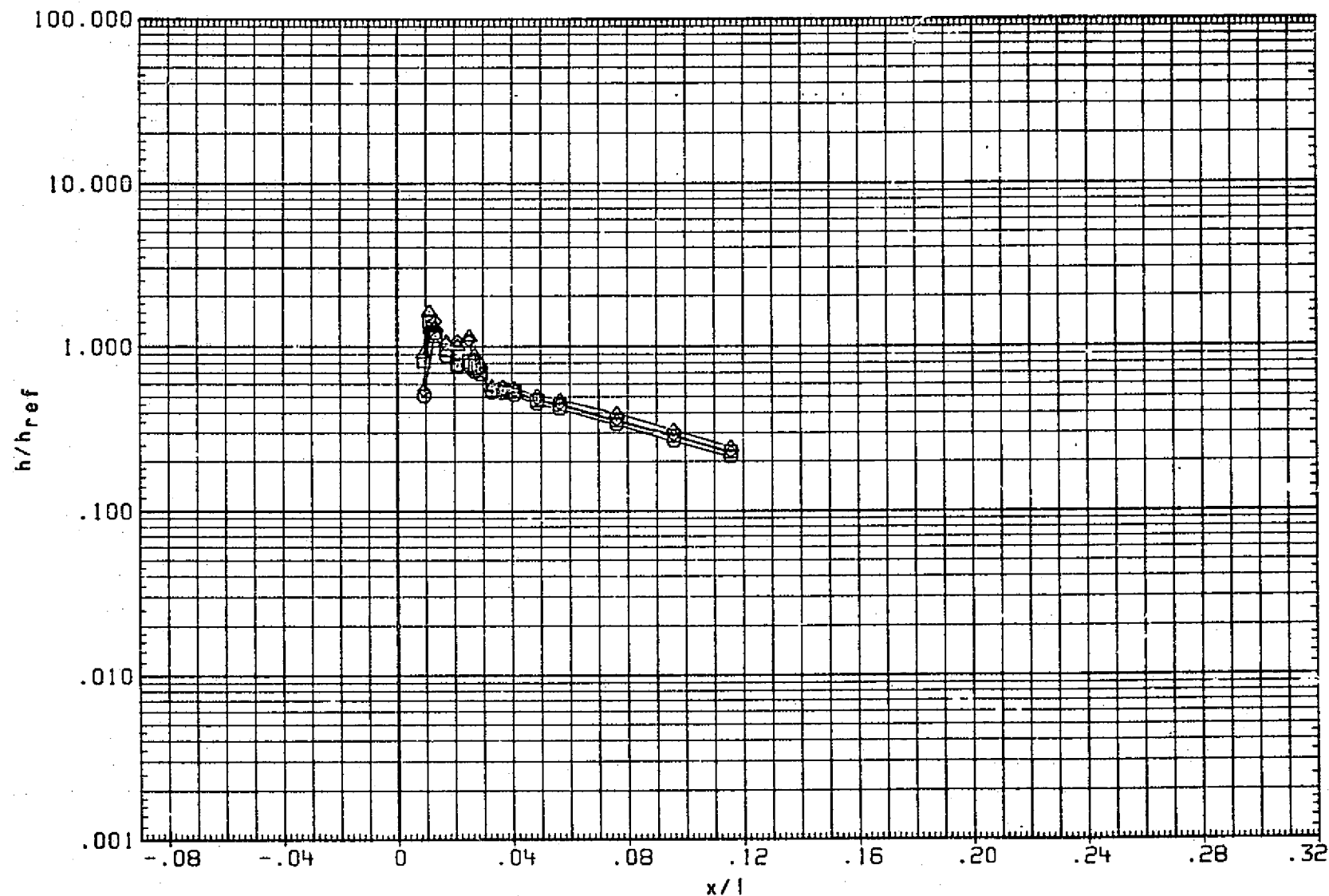


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

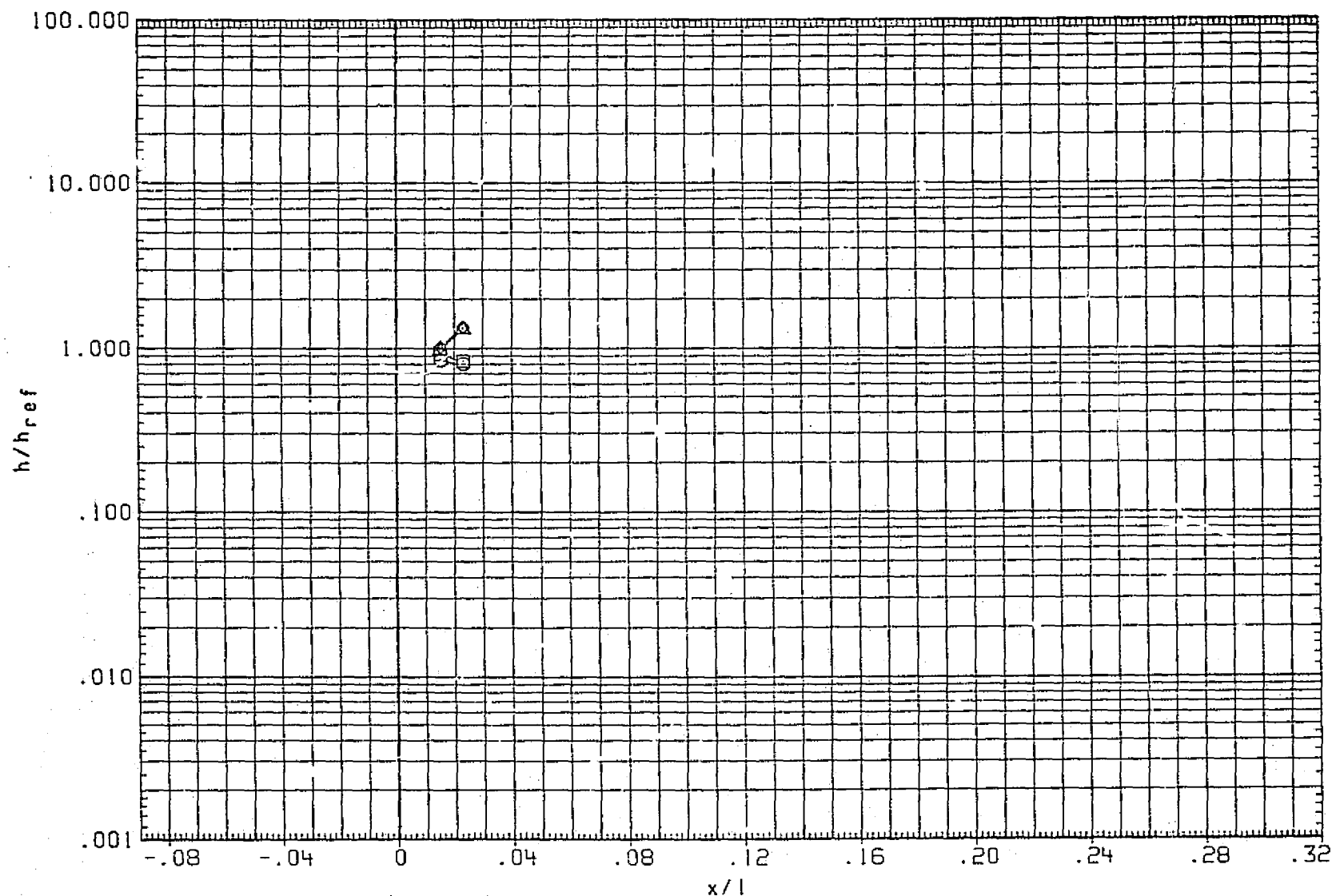


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 135.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

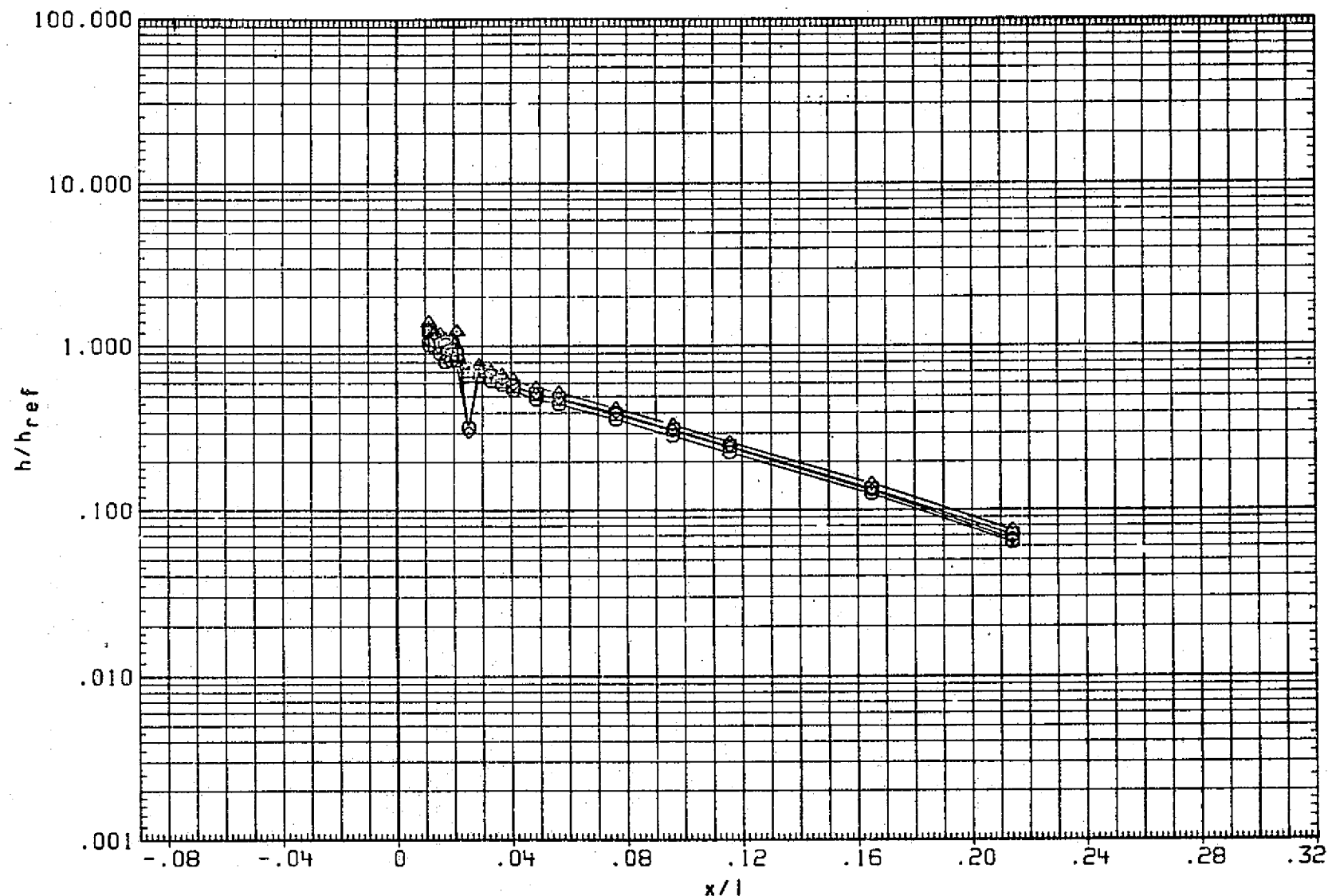


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	DATA NOT AVAILABLE	.000	.000	3.000
(RNTT17)	△	DATA NOT AVAILABLE	.000	.000	5.000

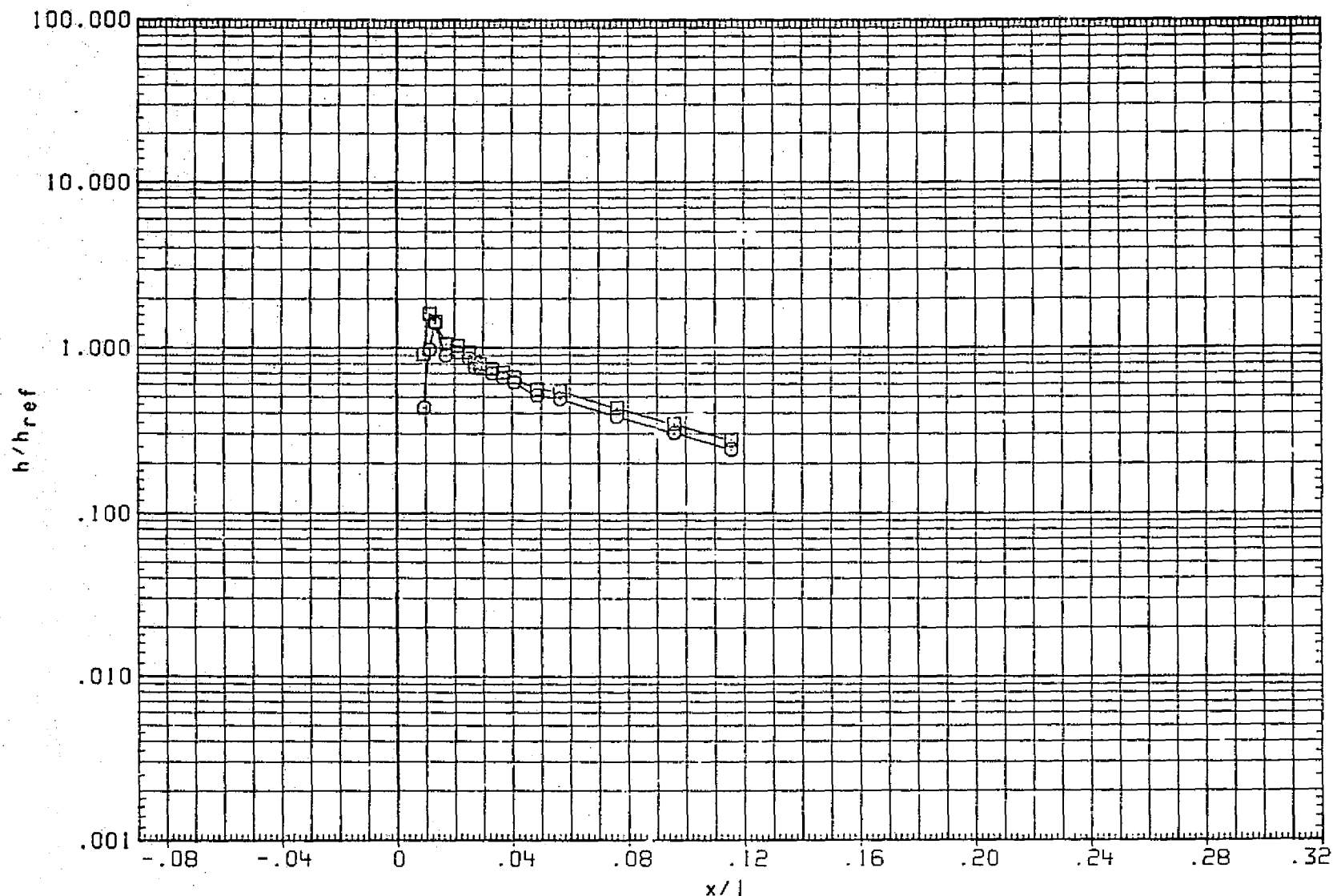


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = .900 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	DATA NOT AVAILABLE	.000	.000	3.000
(RNTT17)	△	DATA NOT AVAILABLE	.000	.000	5.000

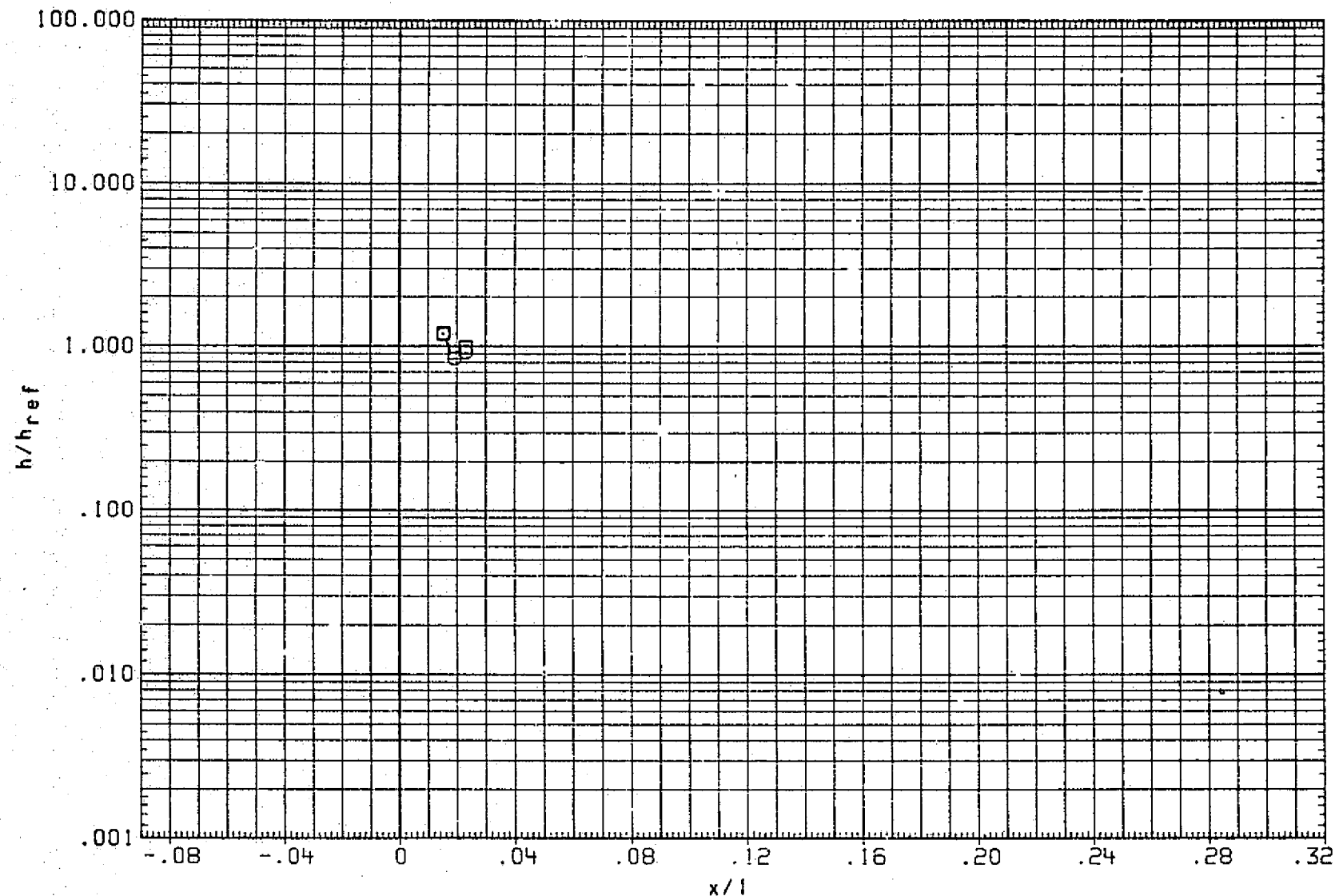


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS  
MACH = 5.300 HAW/HT = .900 THETA = 315.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	◇	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	□	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)110/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

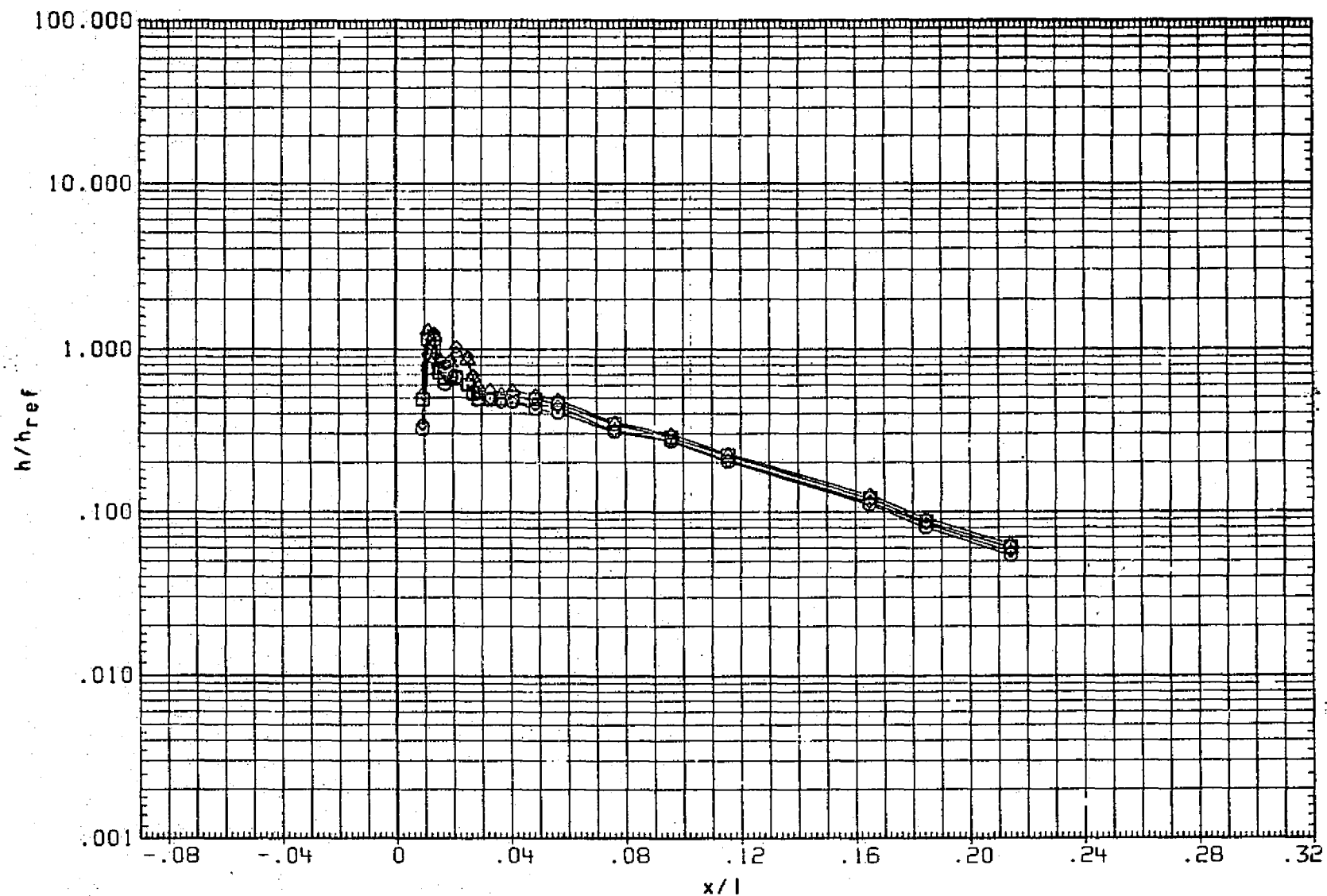


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+RL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

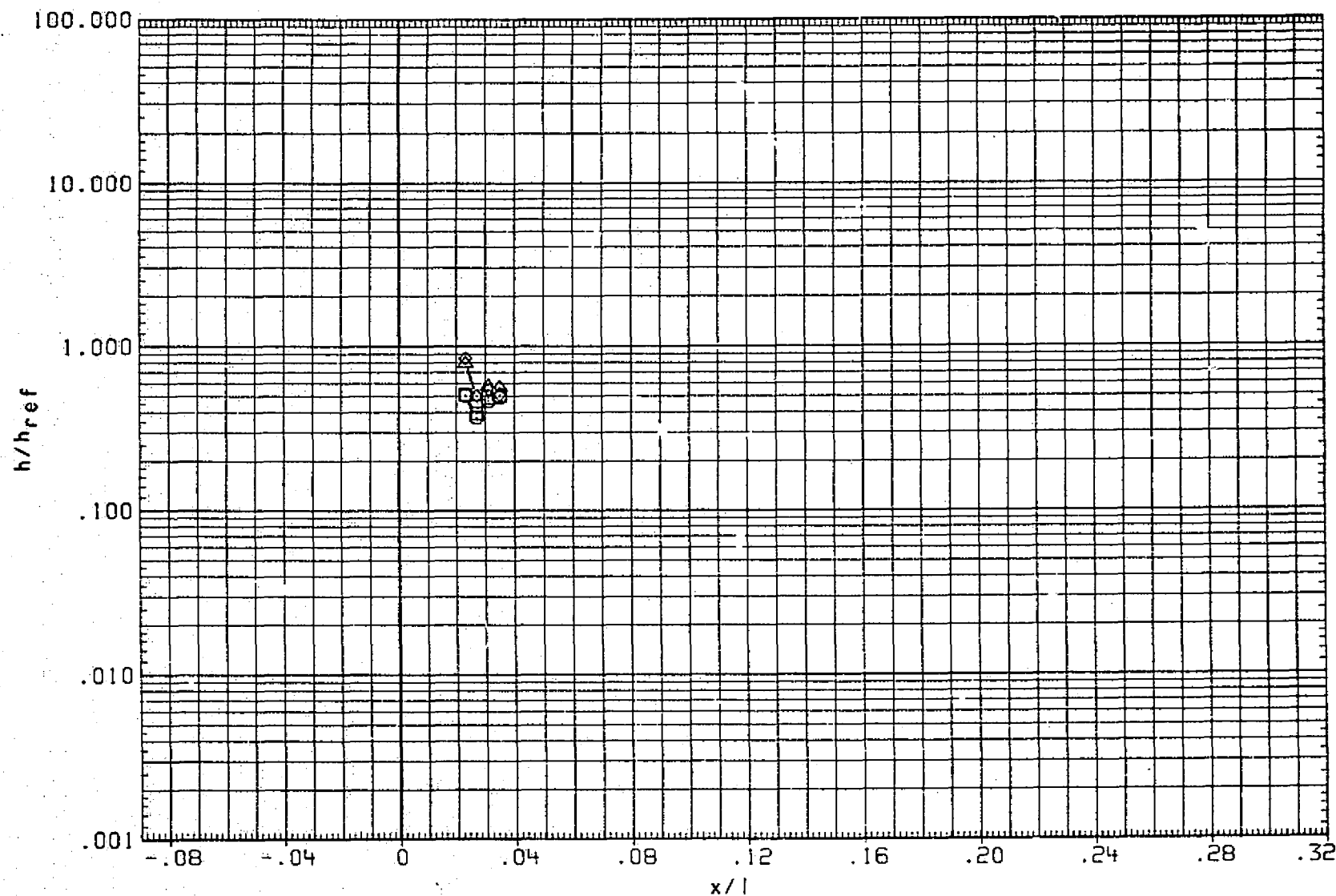


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

PAGE 1588

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

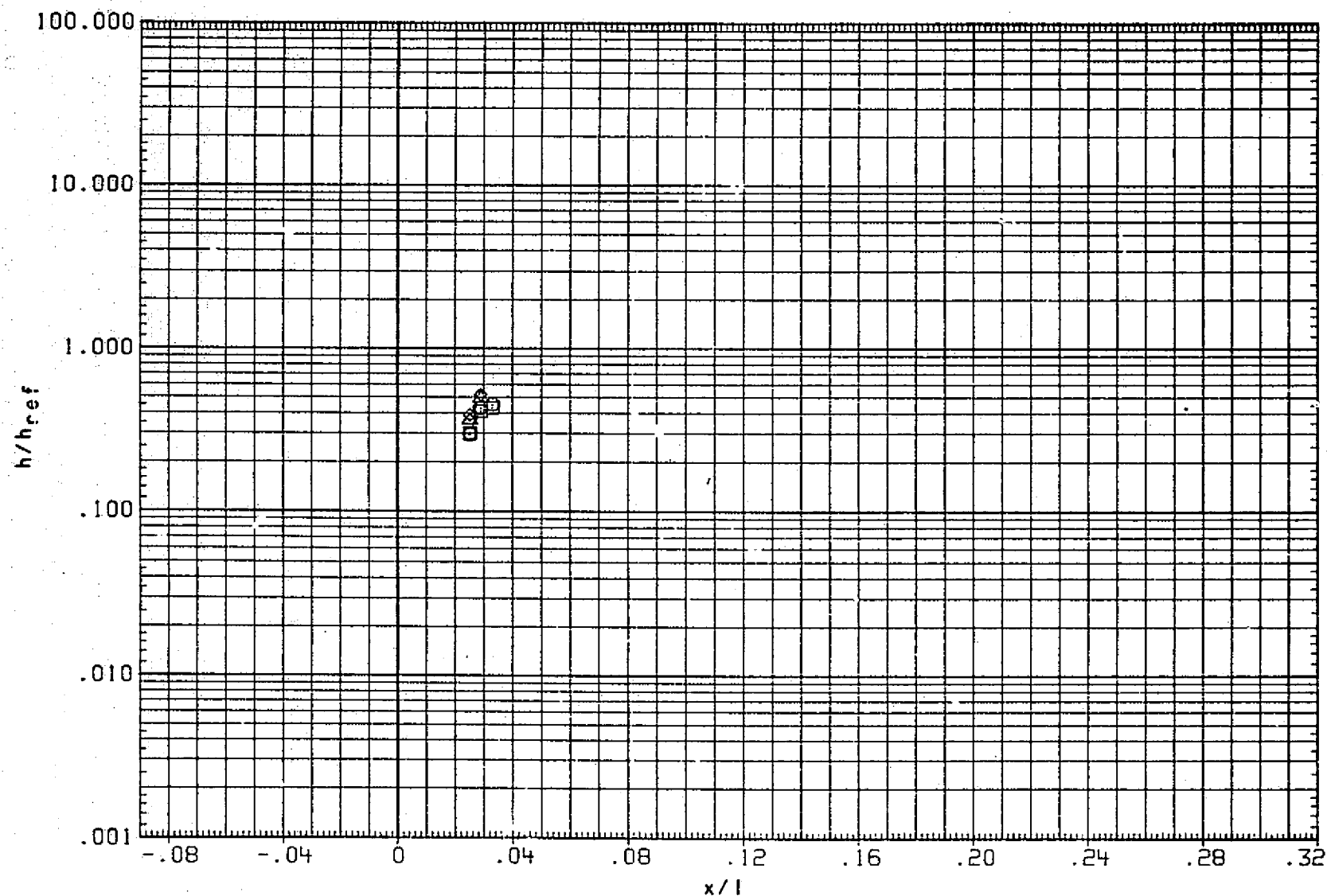


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS  
MACH = 5.300 HAW/HT = 1.000 THETA = 20.000



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

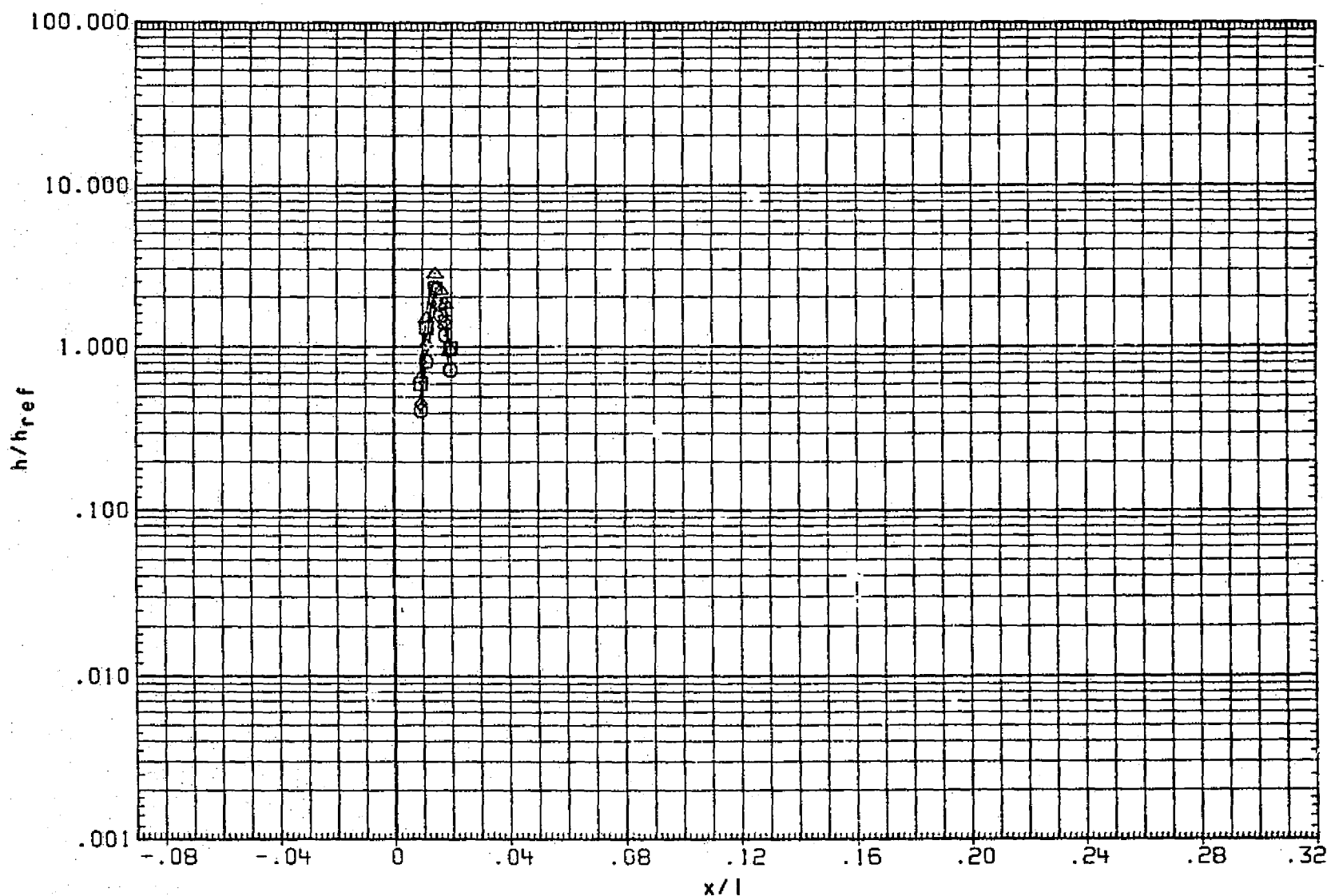


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1590

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

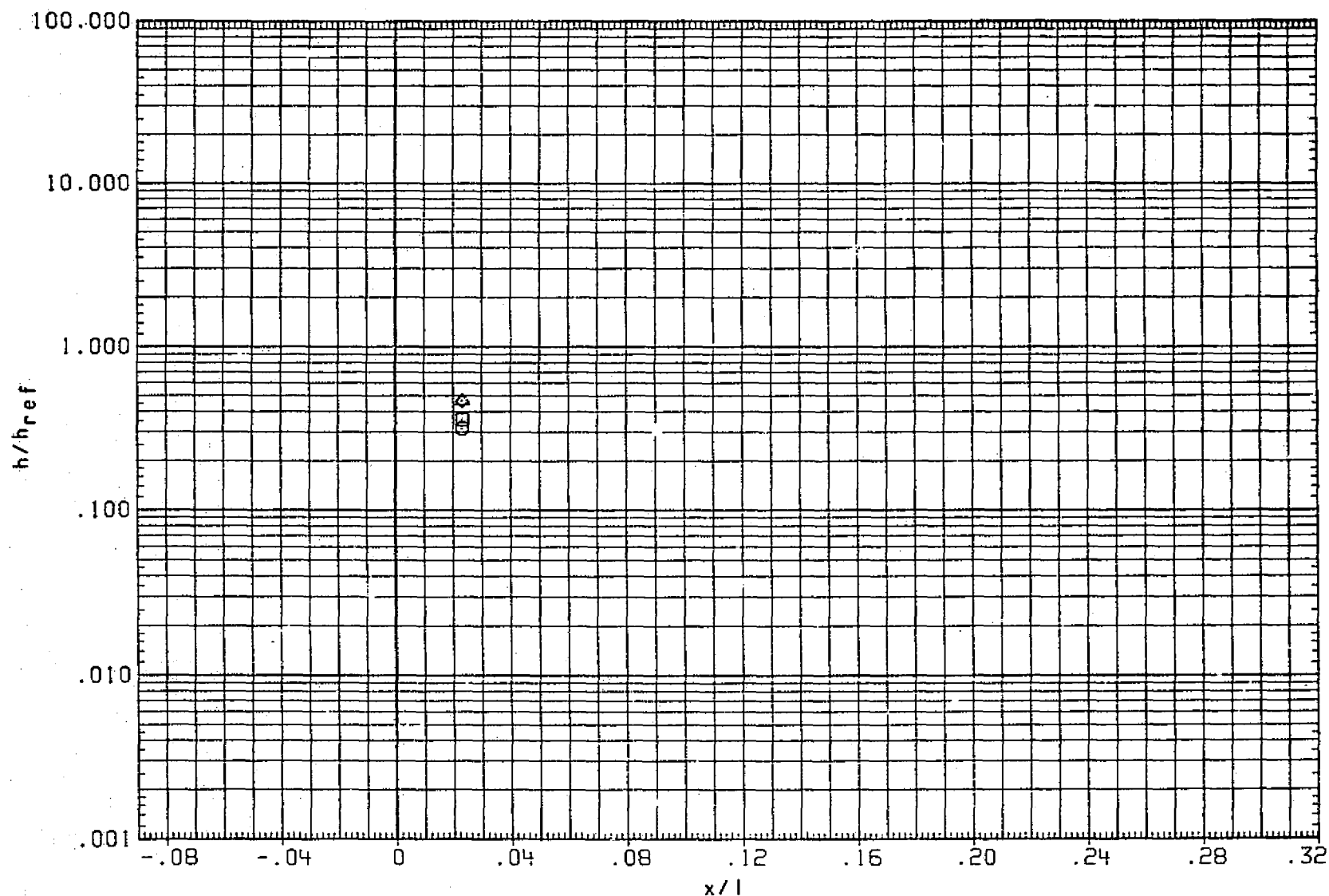


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

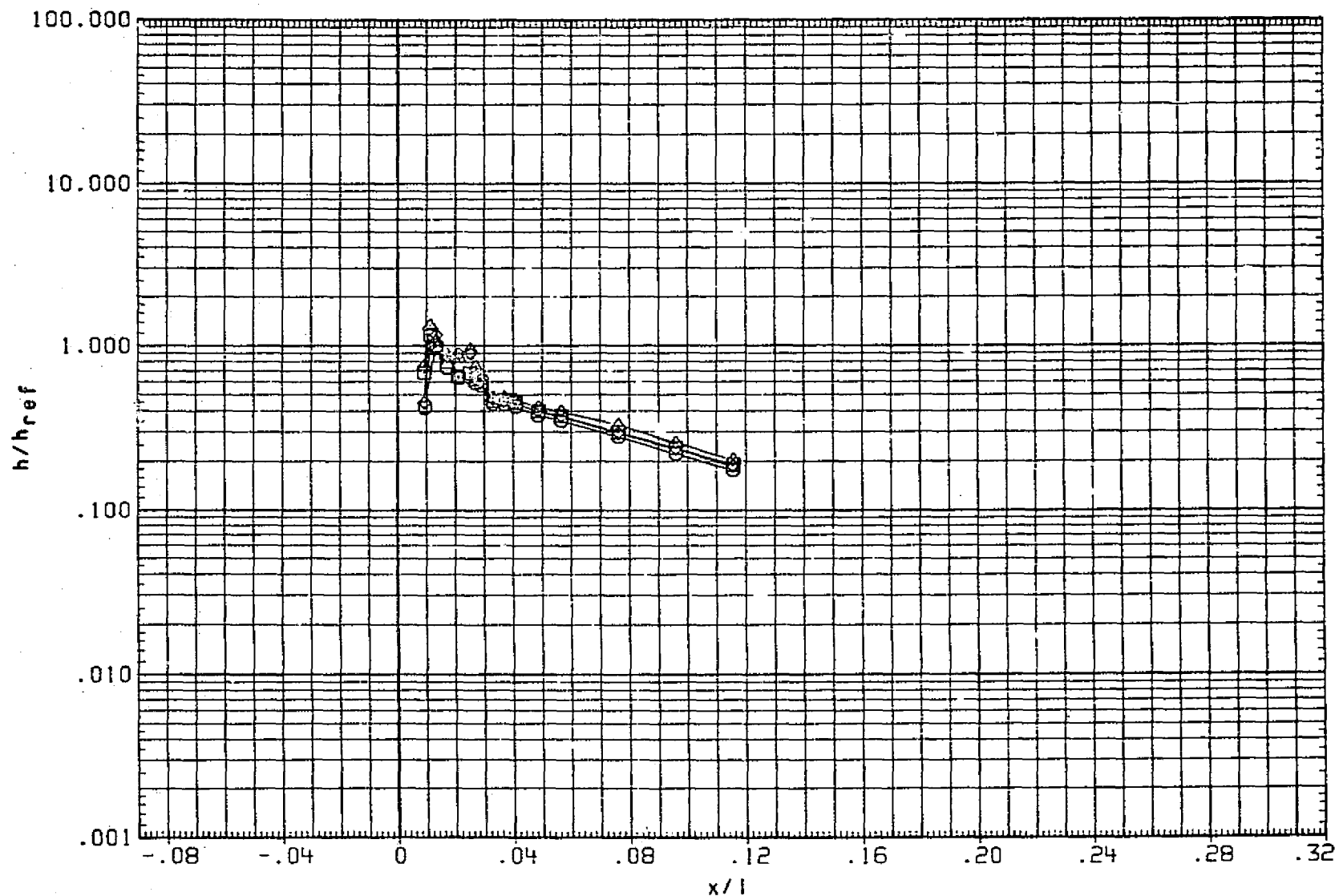


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 90.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

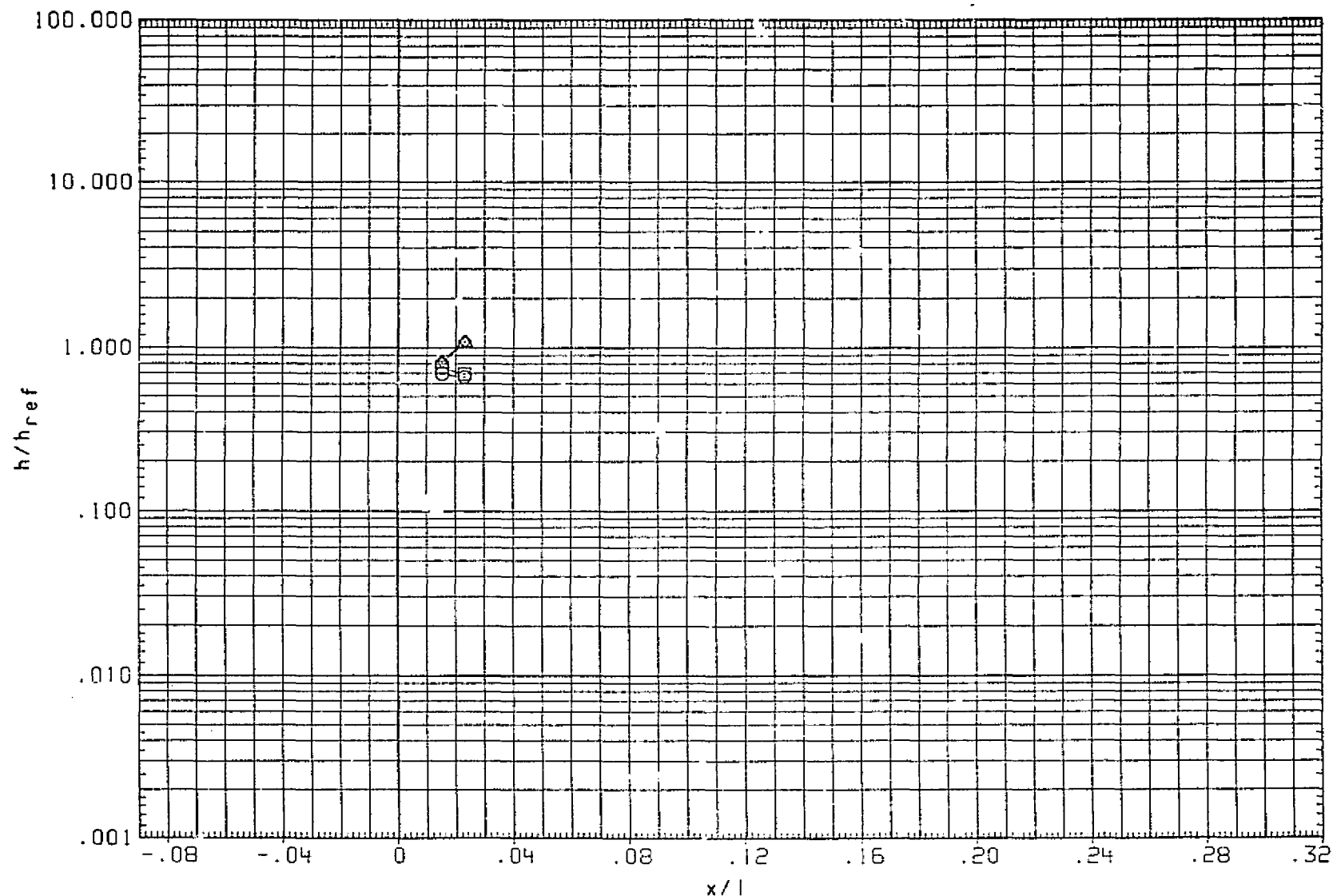


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1593

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	3.000
(RNTT17)	△	ARC3.5-215(FH14)10/40 C/O ET NOSE+PROTUB+BL TRIP	.000	.000	5.000

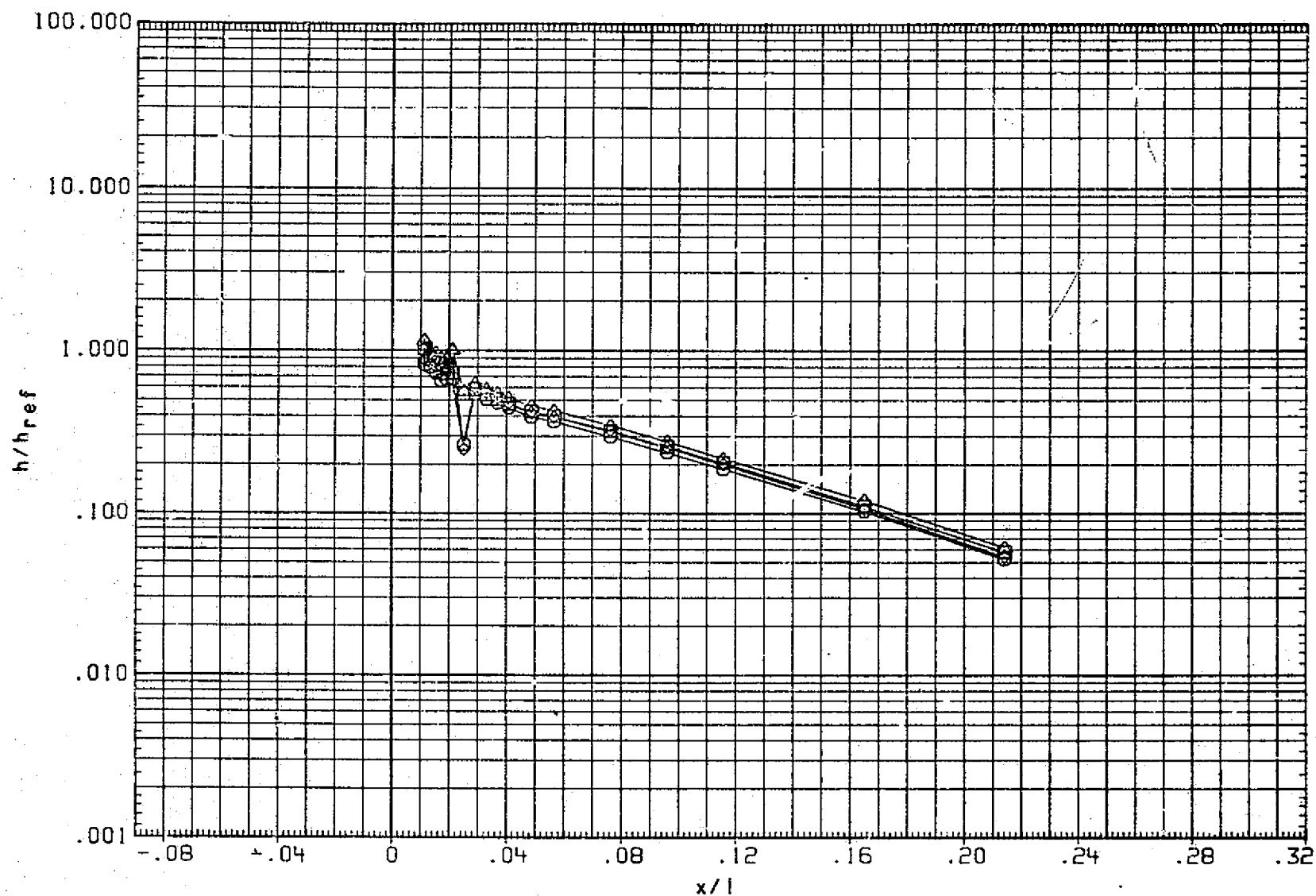


FIG. 19 TANK FOREBODY. BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	3.000
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB	.000	.000	5.000
(RNTT16)	◇	DATA NOT AVAILABLE	.000	.000	3.000
(RNTT17)	△	DATA NOT AVAILABLE	.000	.000	5.000

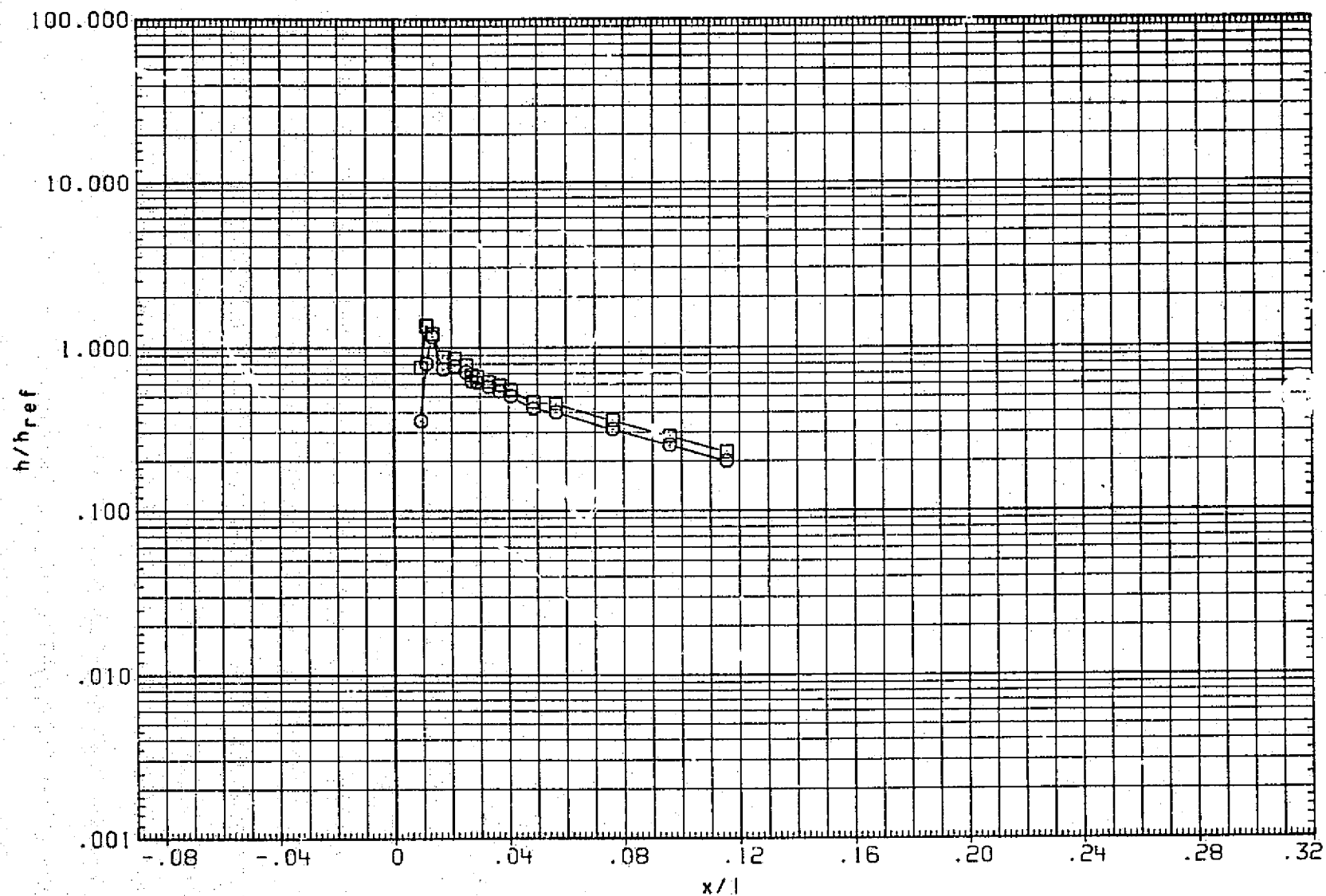


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT03)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT05)	□	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE+PROTUB
(RNTT16)	◇	DATA NOT AVAILABLE
(RNTT17)	△	DATA NOT AVAILABLE

ALPHA	BETA	RN/L
.000	.000	3.000
.000	.000	5.000
.000	.000	3.000
.000	.000	5.000

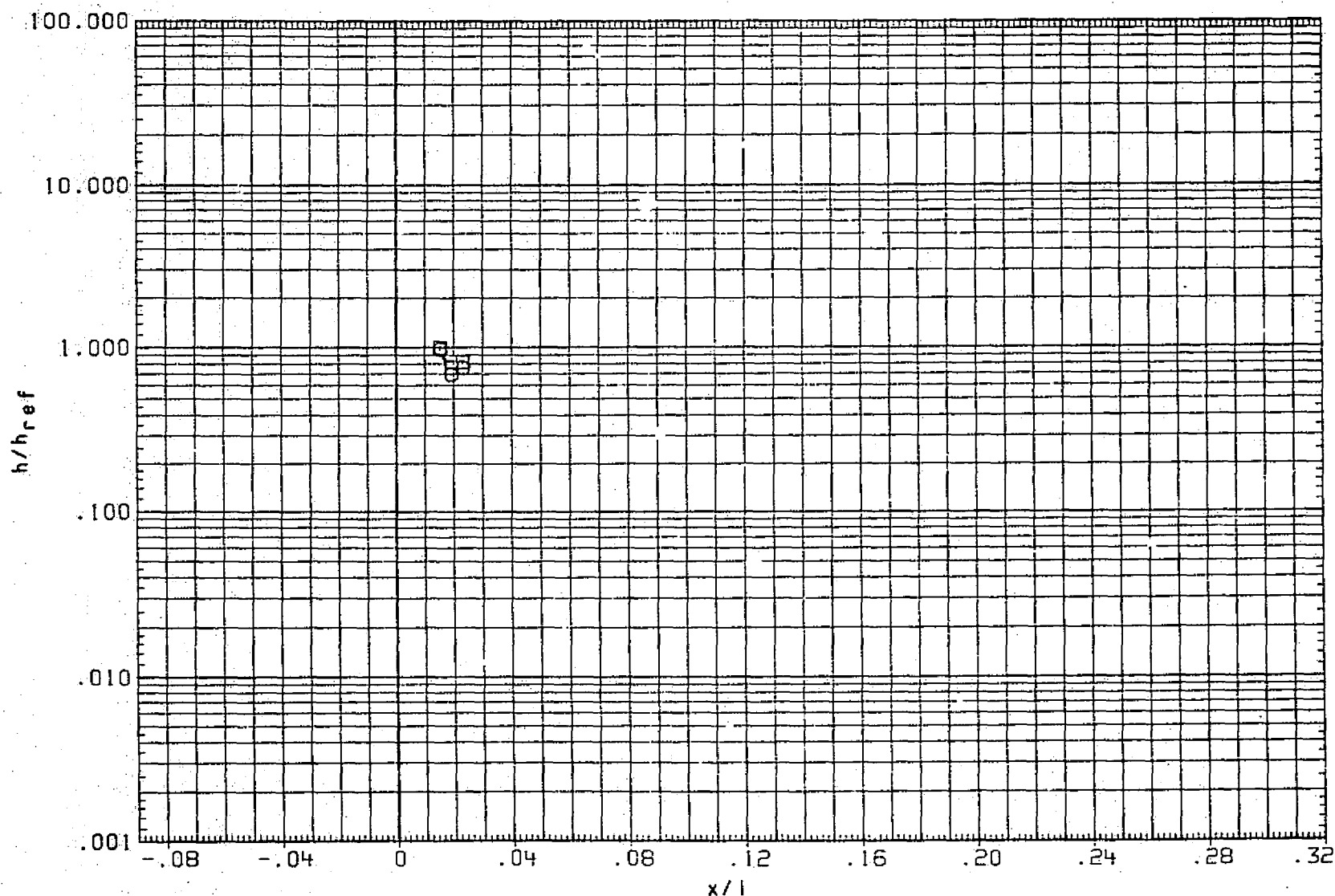


FIG. 19 TANK FOREBODY, BOUNDARY LAYER TRIP EFFECTS

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

PAGE 1596

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNT22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

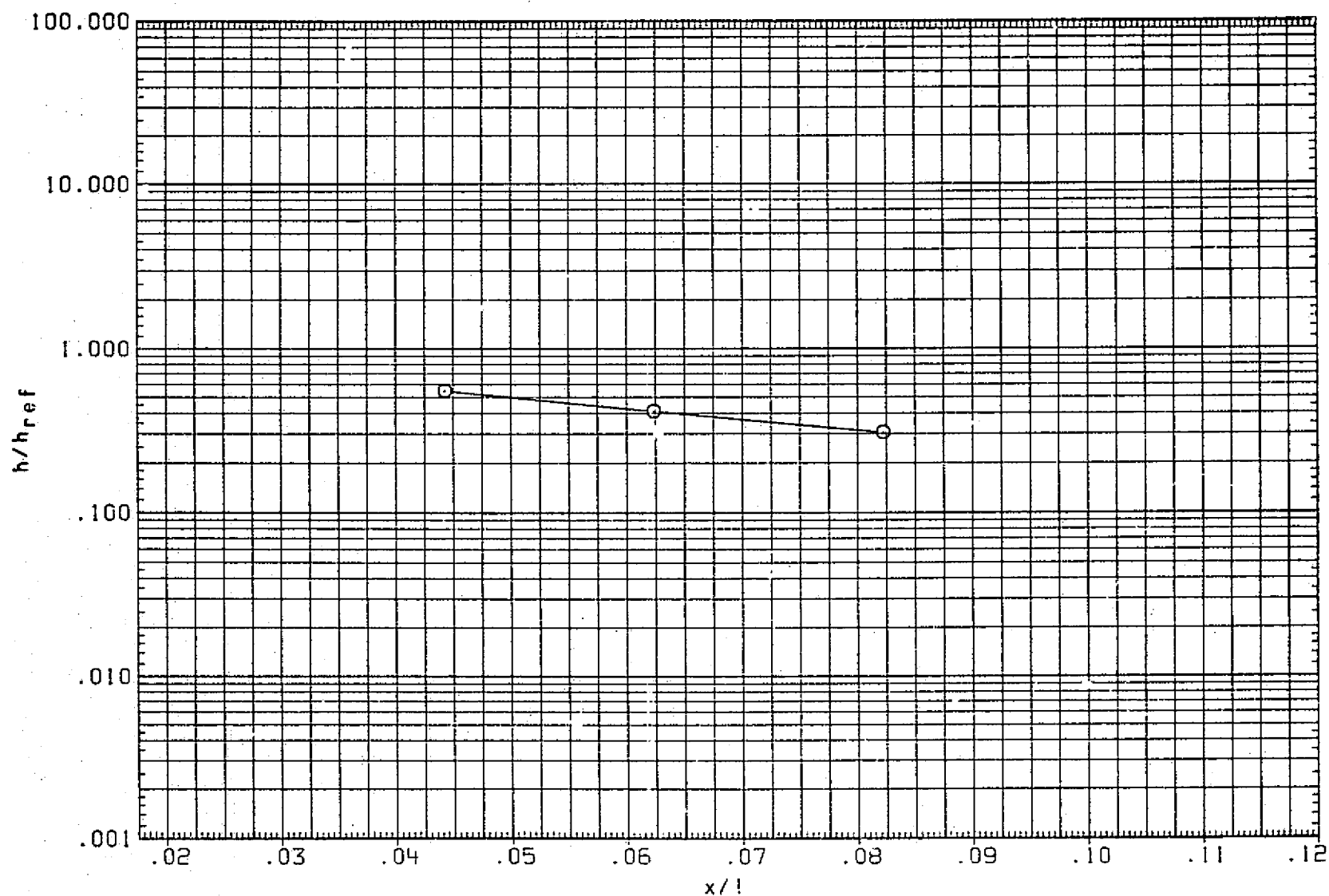


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = -.007

PAGE 1597



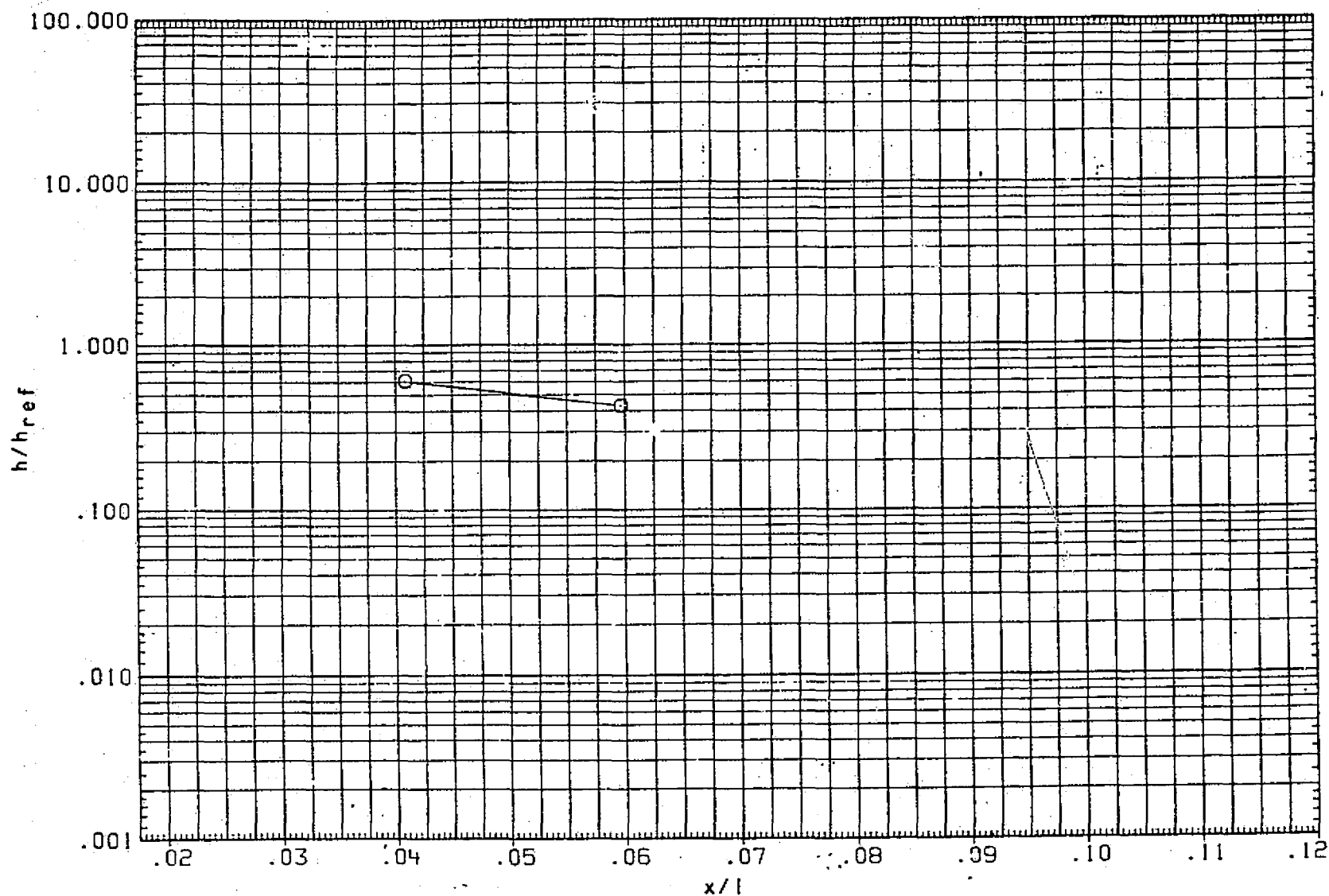


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = -.006

PAGE 1598

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNT22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

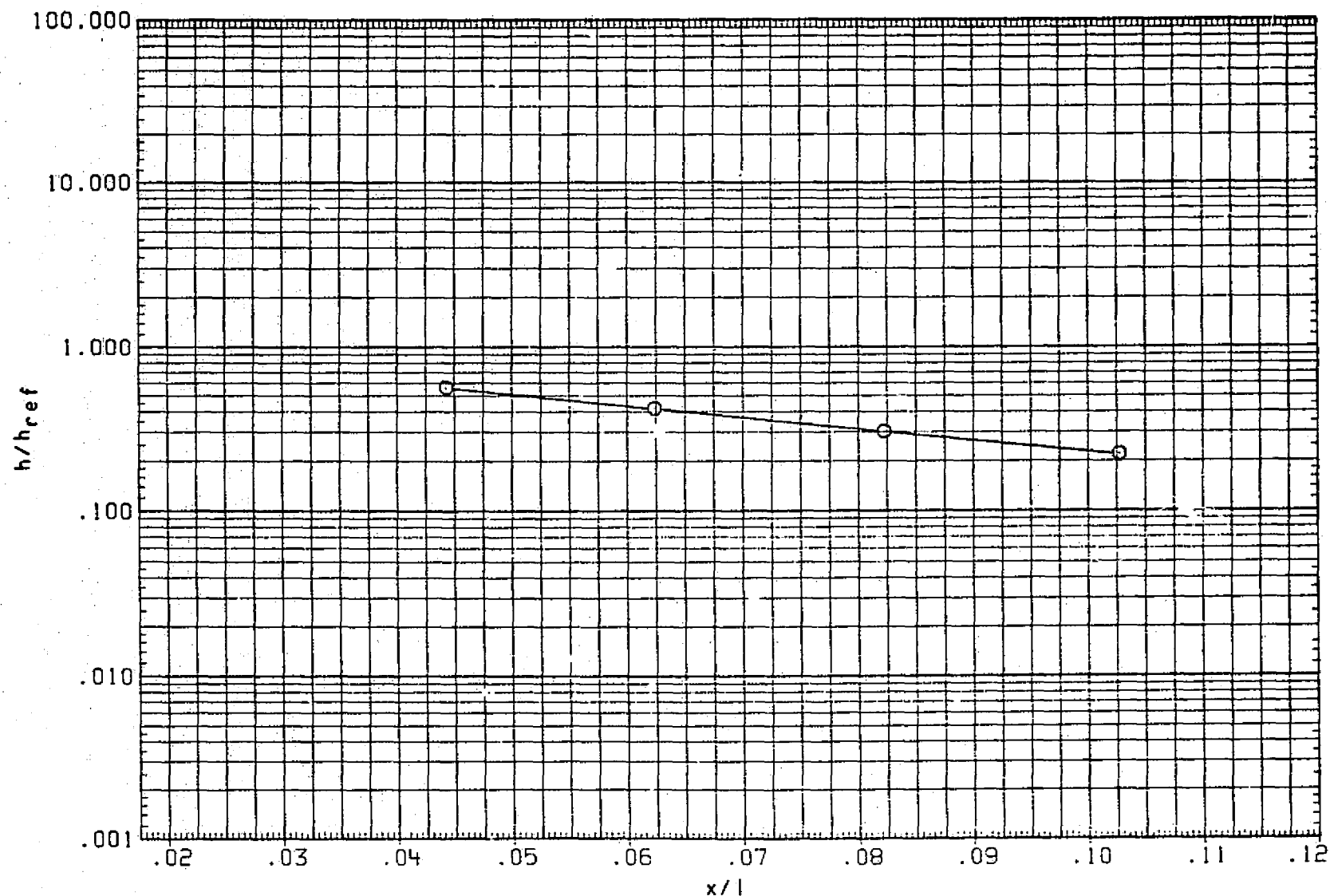


FIG. 20 EXTERNAL PROTUB. AREA EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = -.005

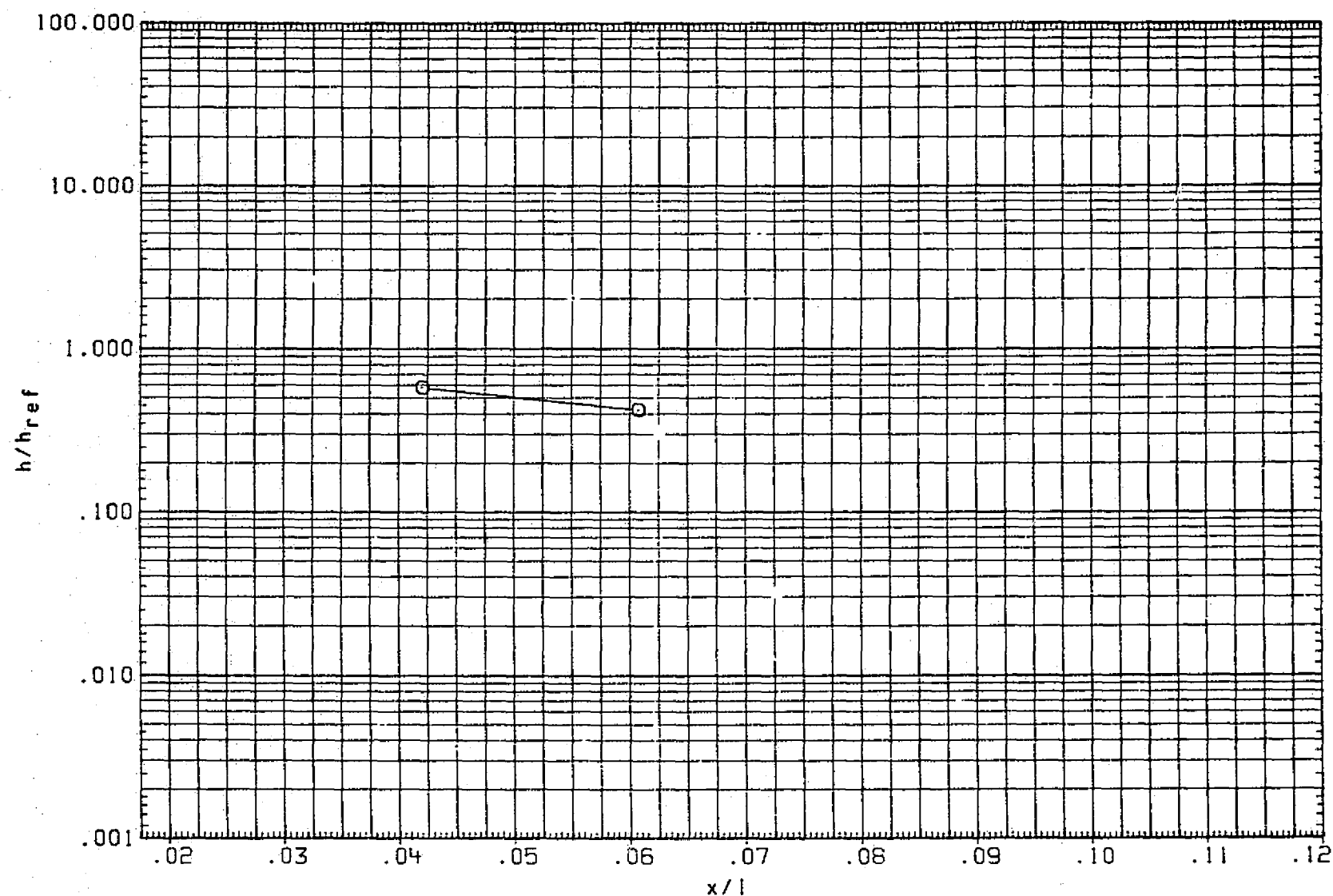


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = -.004

PAGE 1600

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

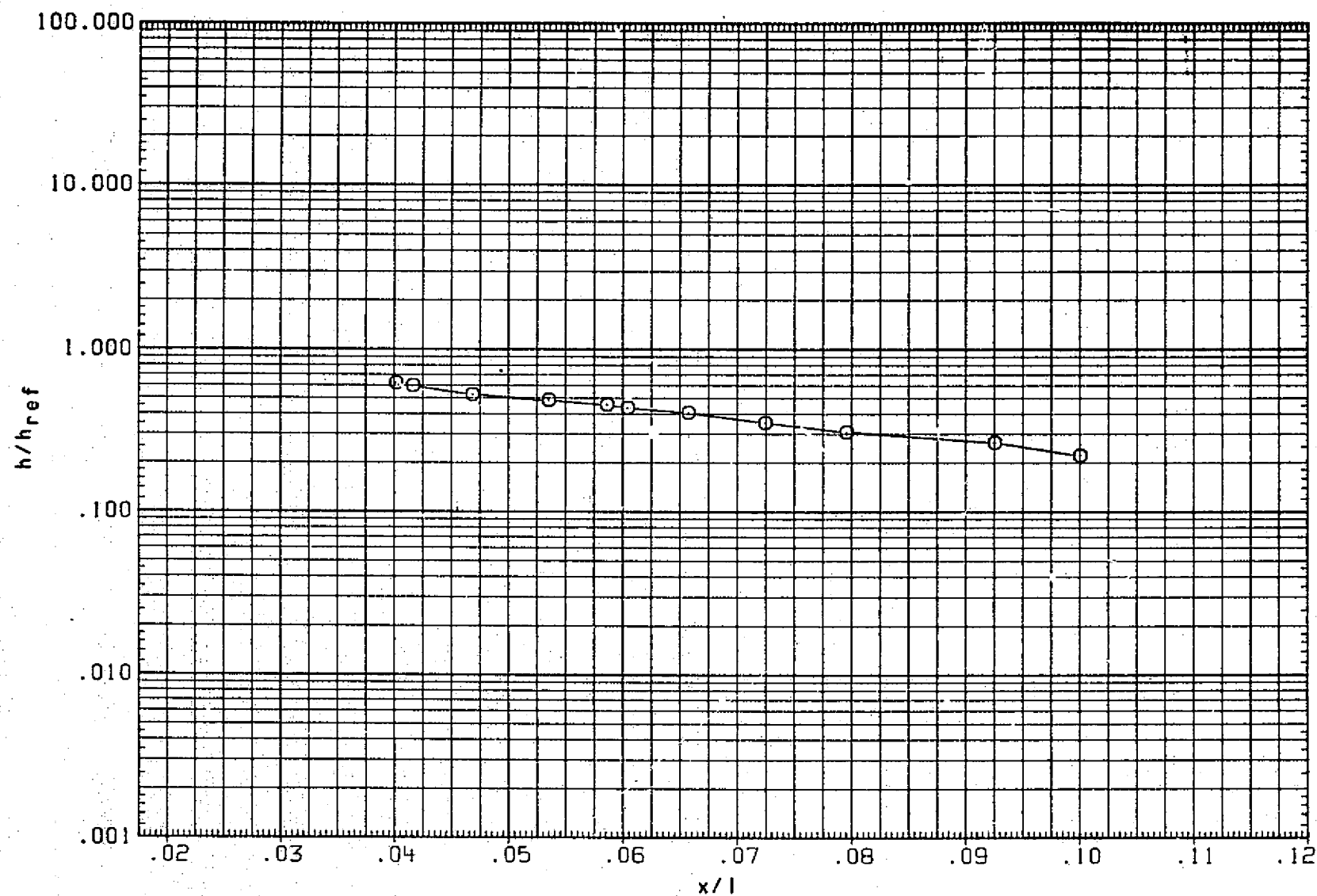


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = -.002

PAGE 1601

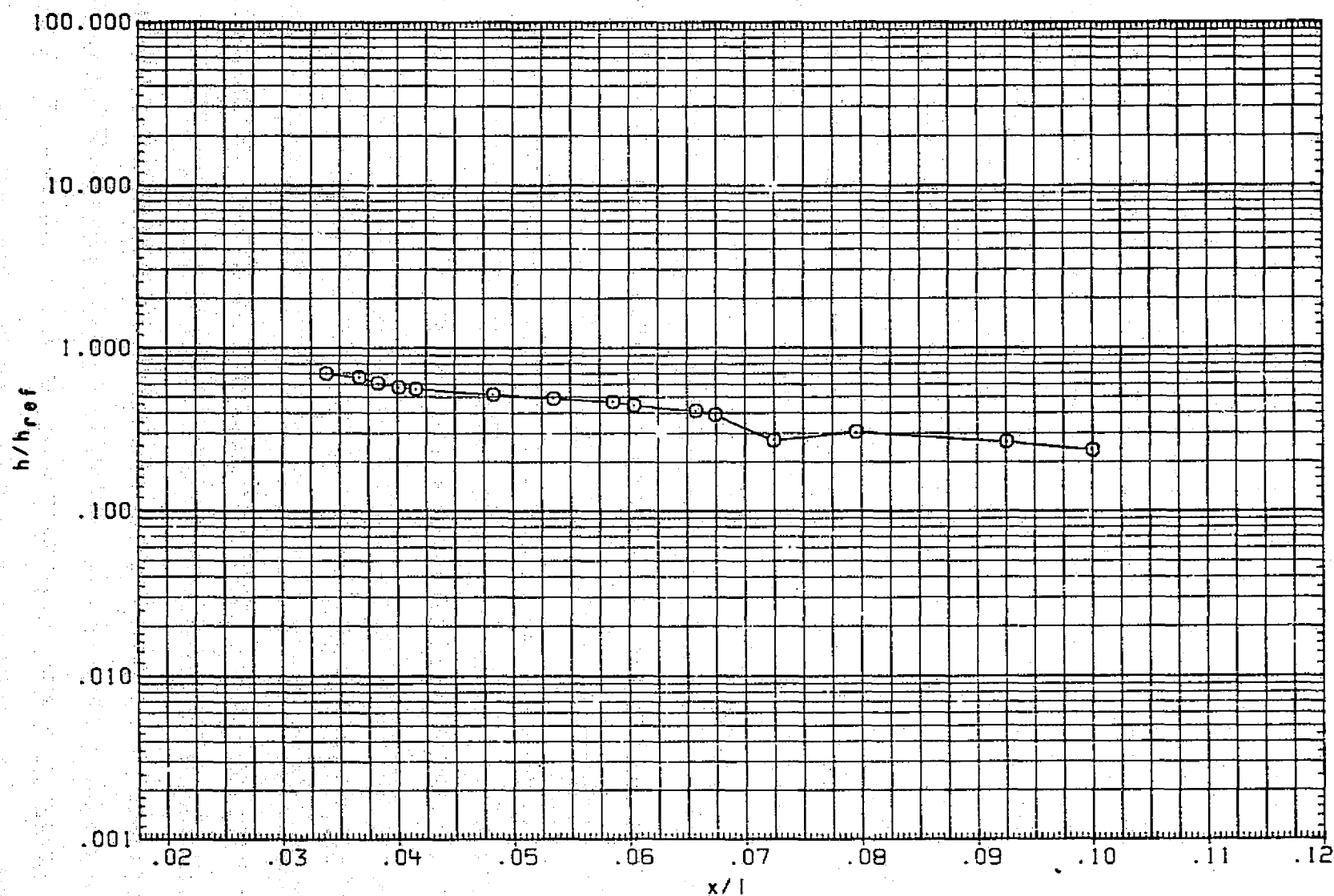


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = .001

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

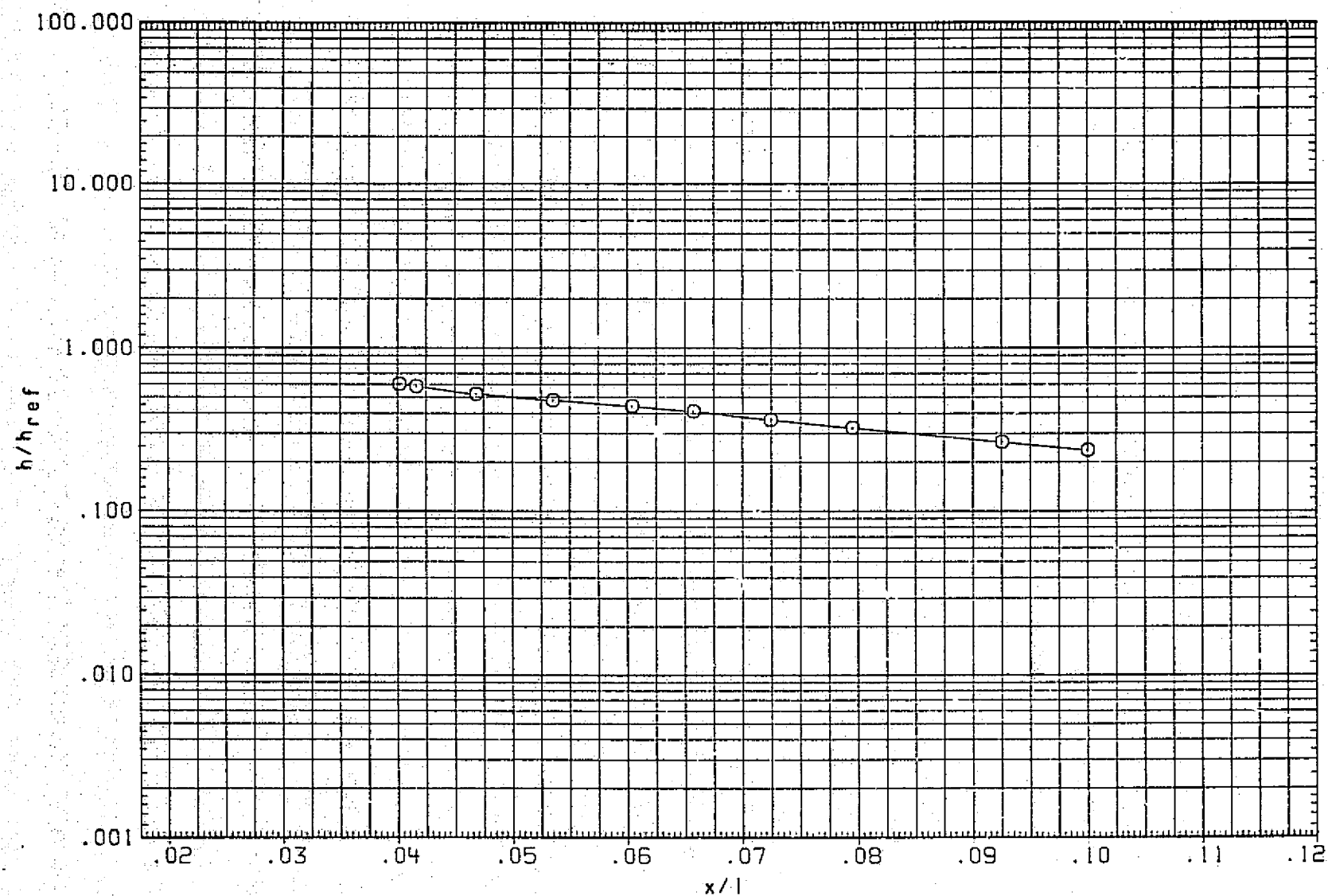


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = .004

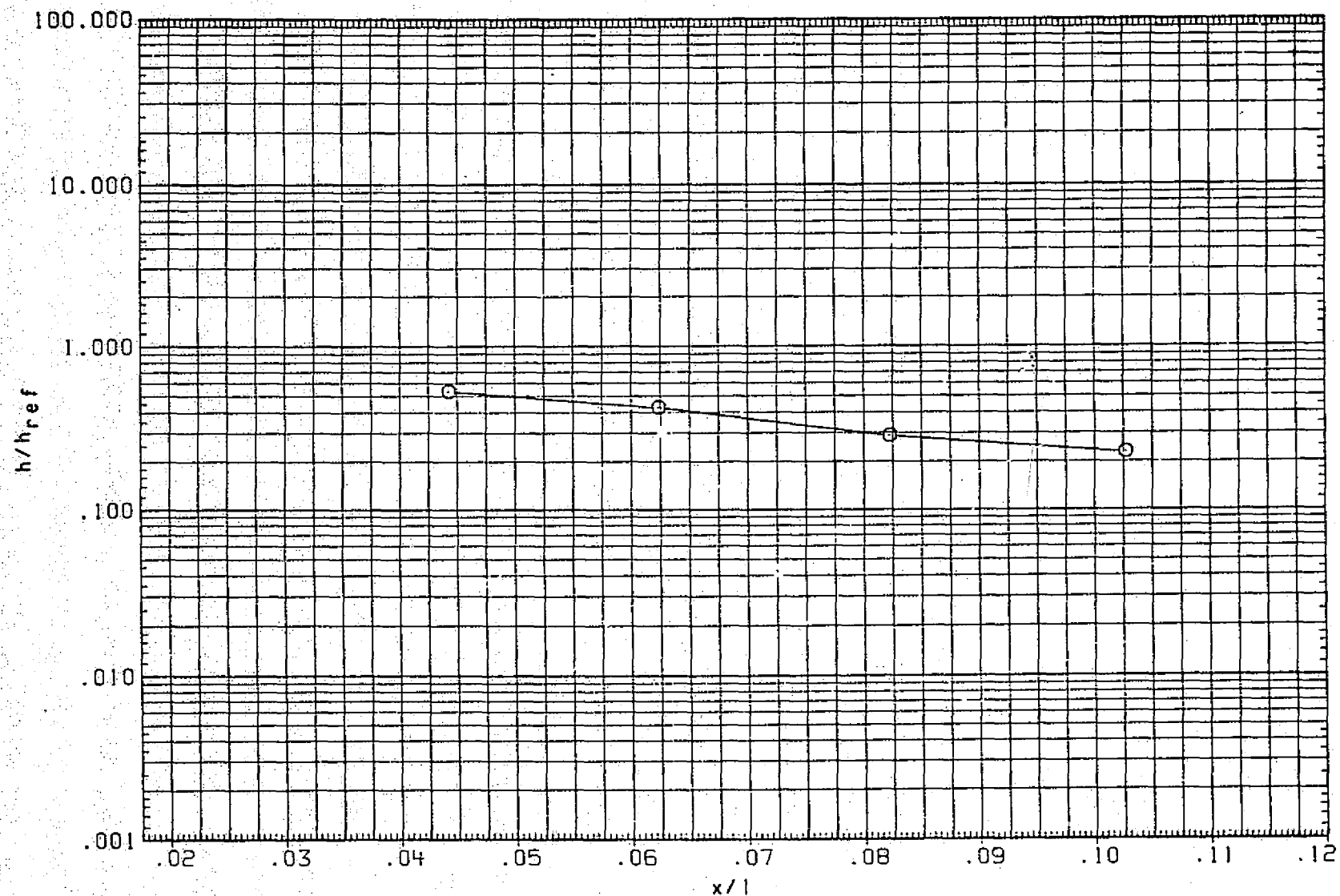


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = .007

PAGE 1604

DATA SET: SYMBOL CONFIGURATION DESCRIPTION  
 (RNT22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

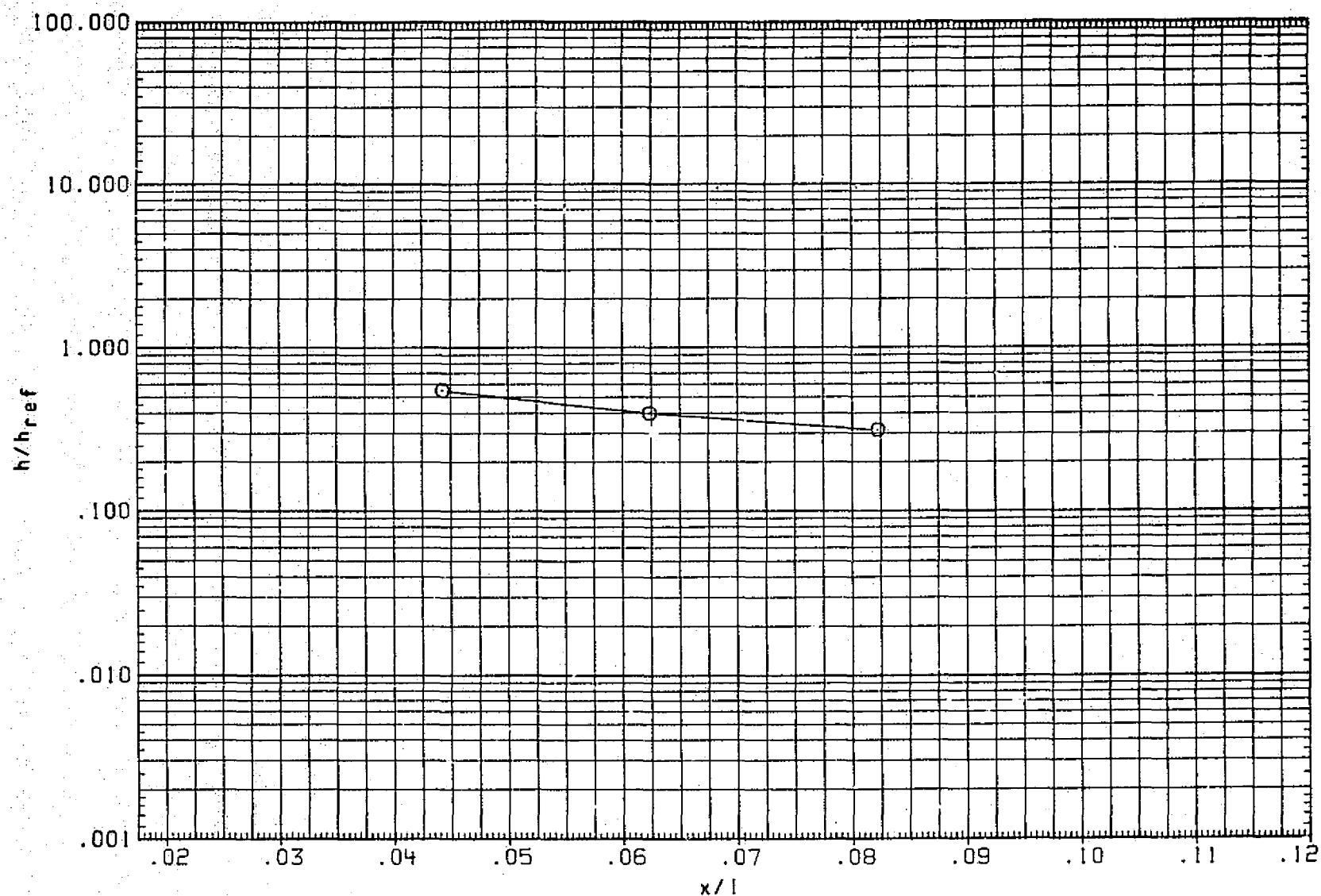


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 DY/L = .009

PAGE 1605



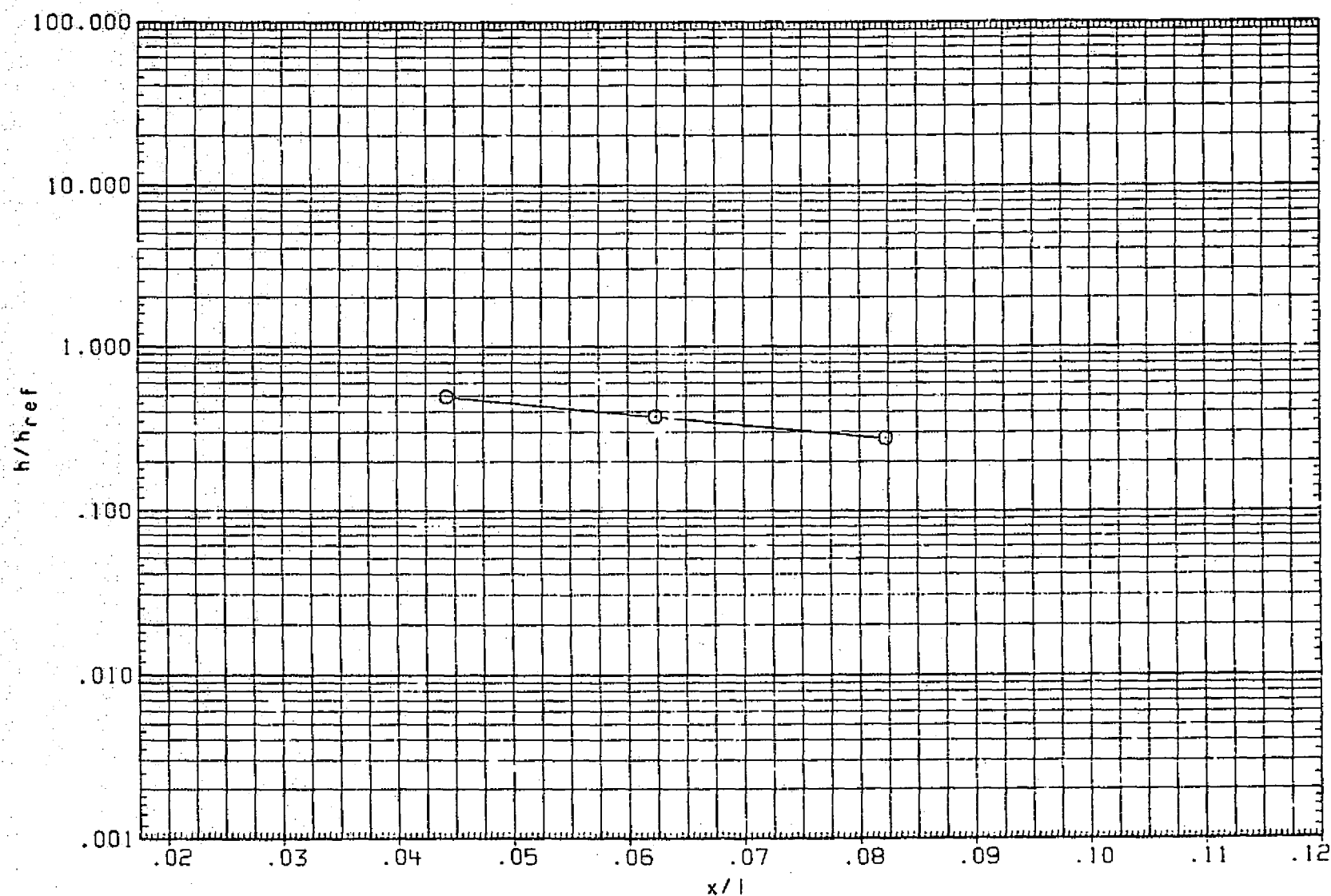


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = -.007

PAGE 1606

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

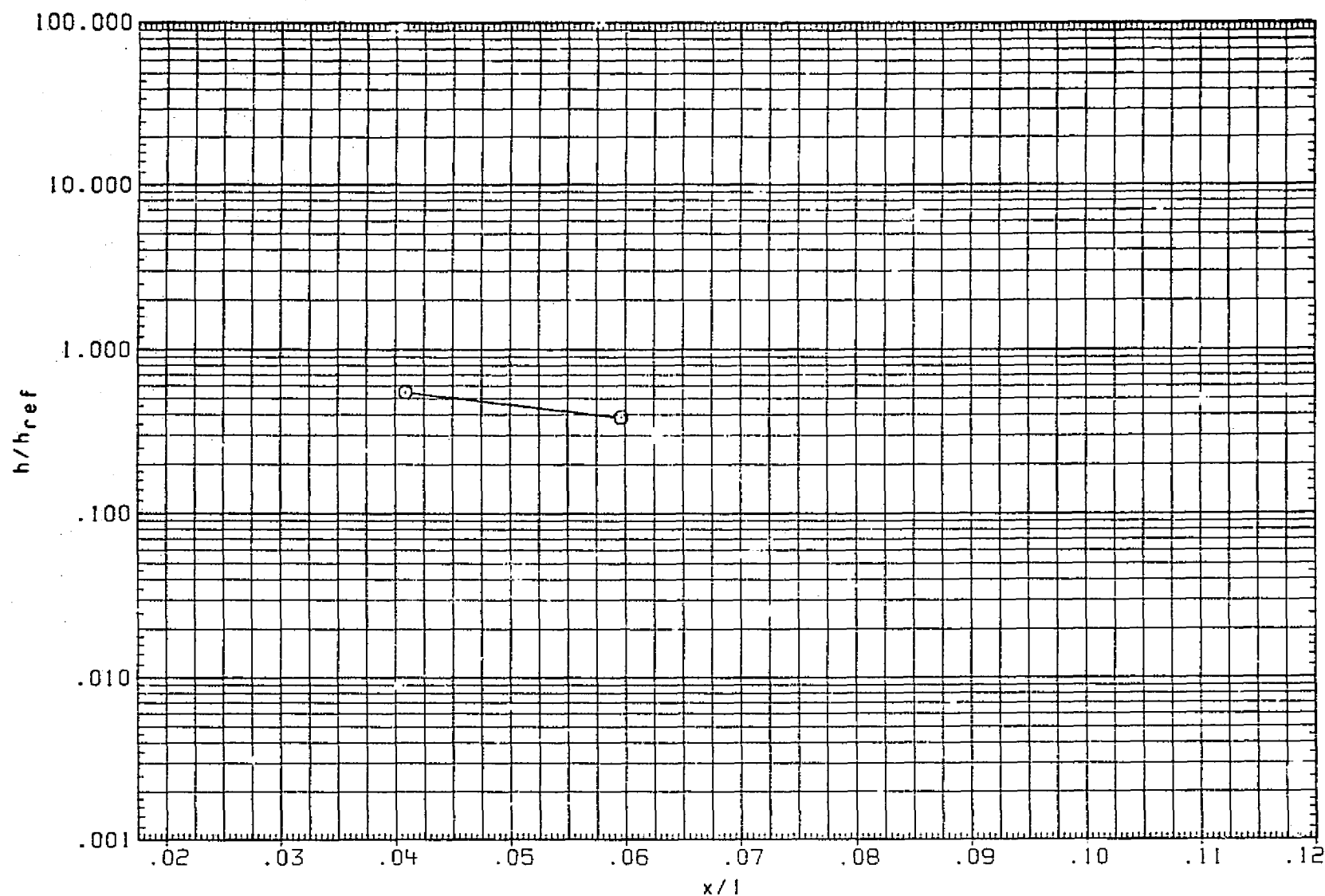


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = -.006

PAGE 1607

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RNTP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
10.000 .000 5.000

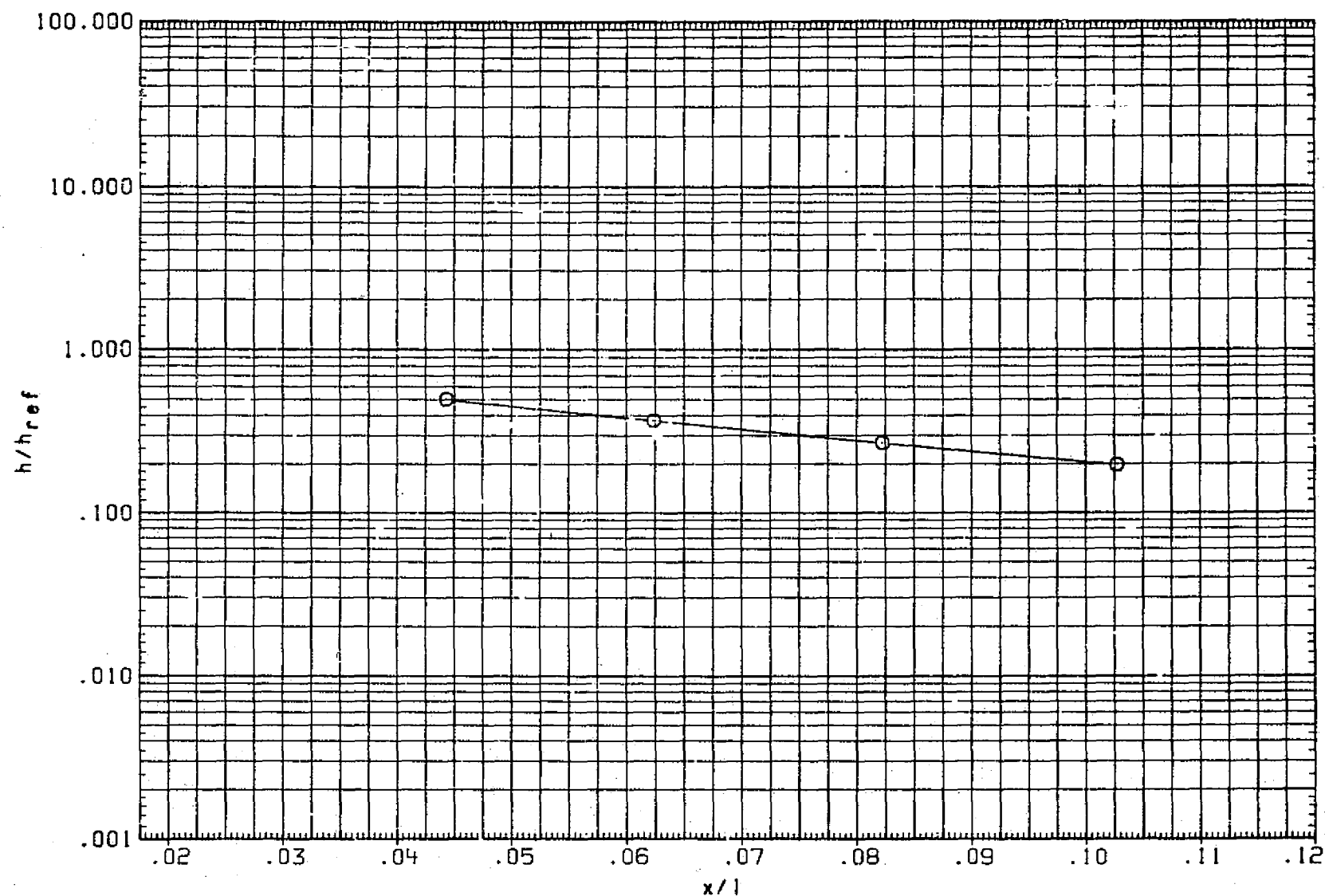


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = -.005

PAGE 1608

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

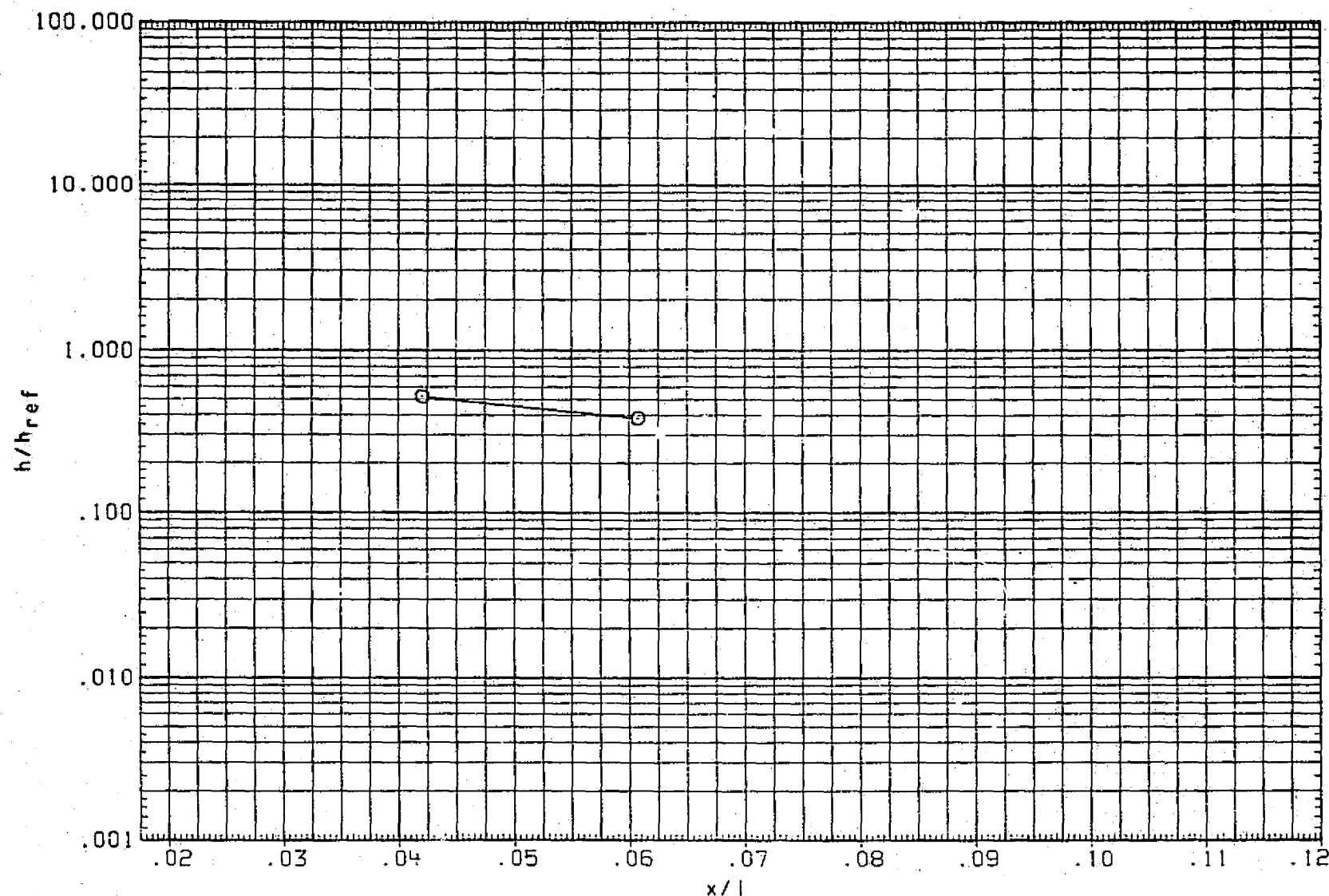


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH. = 5.300 HAW/HT = .900 DY/L = -.004

PAGE 1609

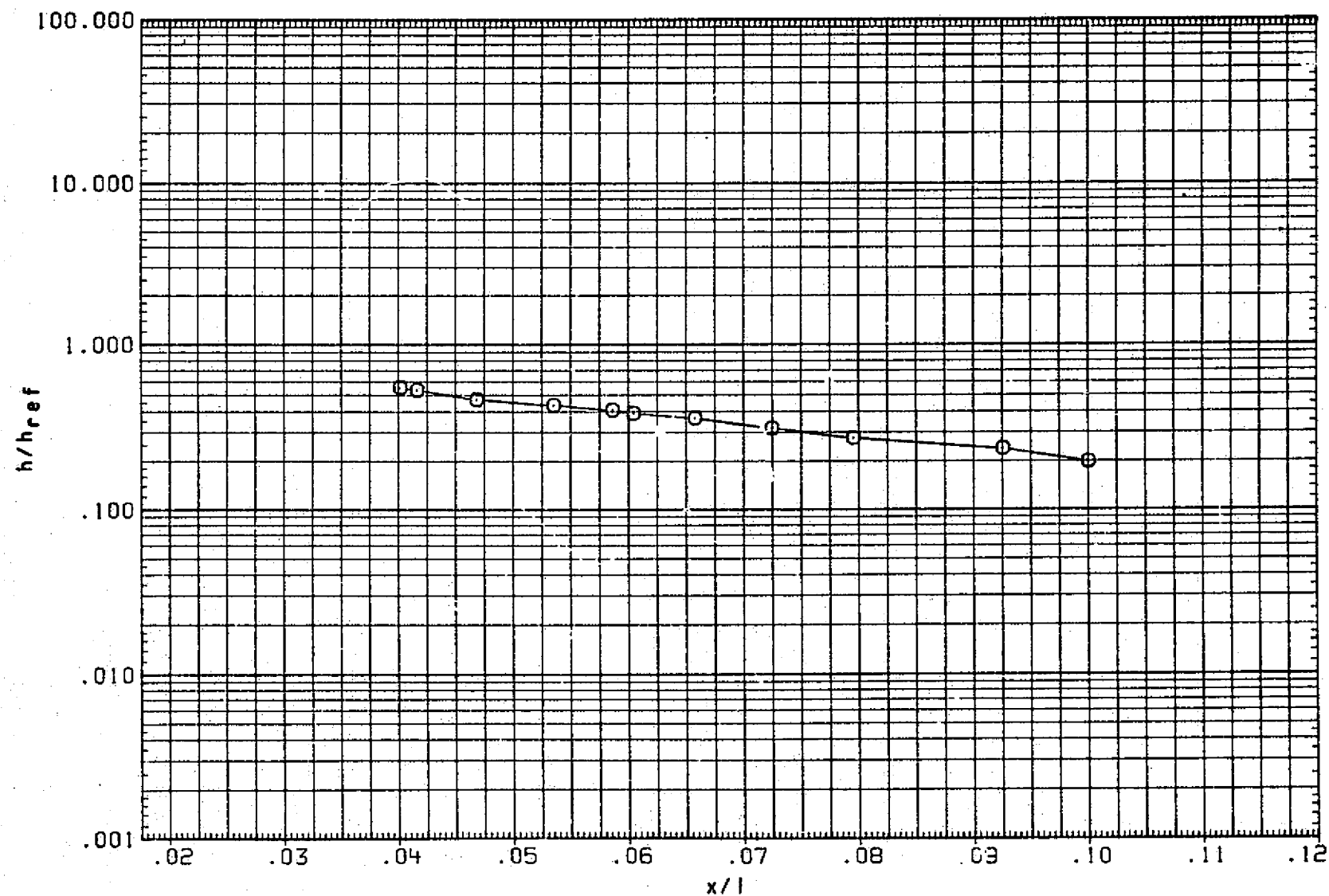


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = -.002

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

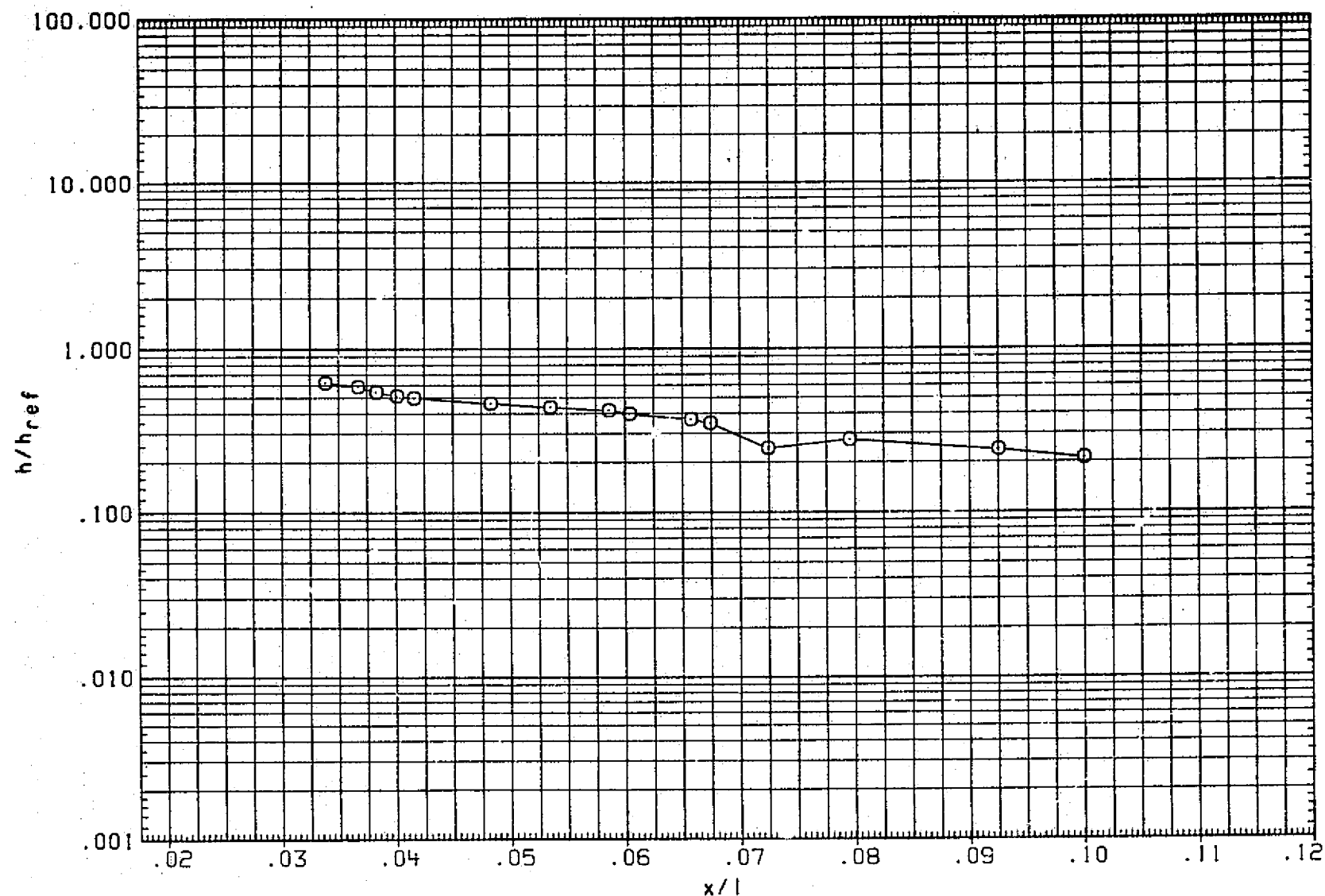


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = .001

PAGE 1611

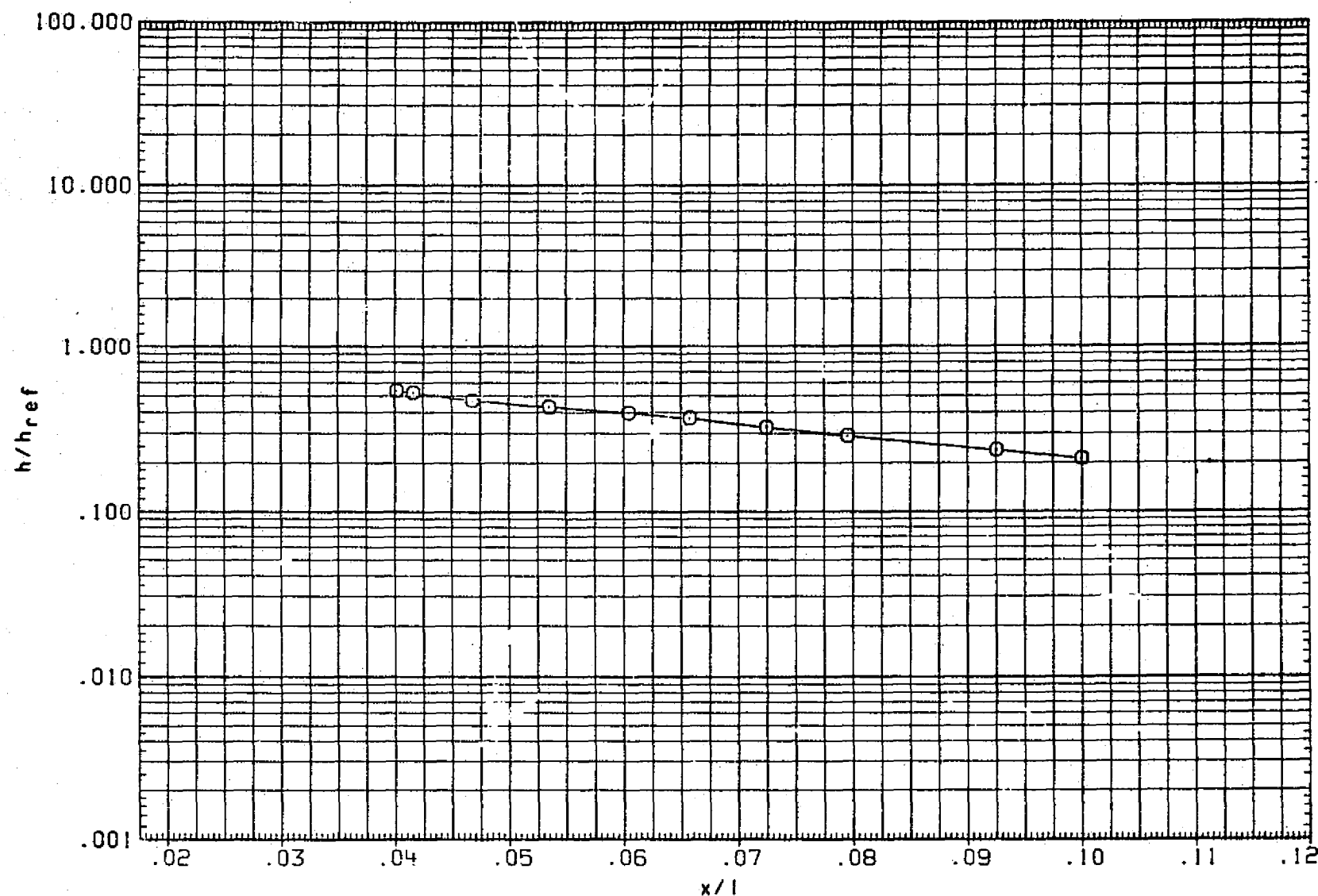


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = .004

PAGE 1612

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTP221) □ ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

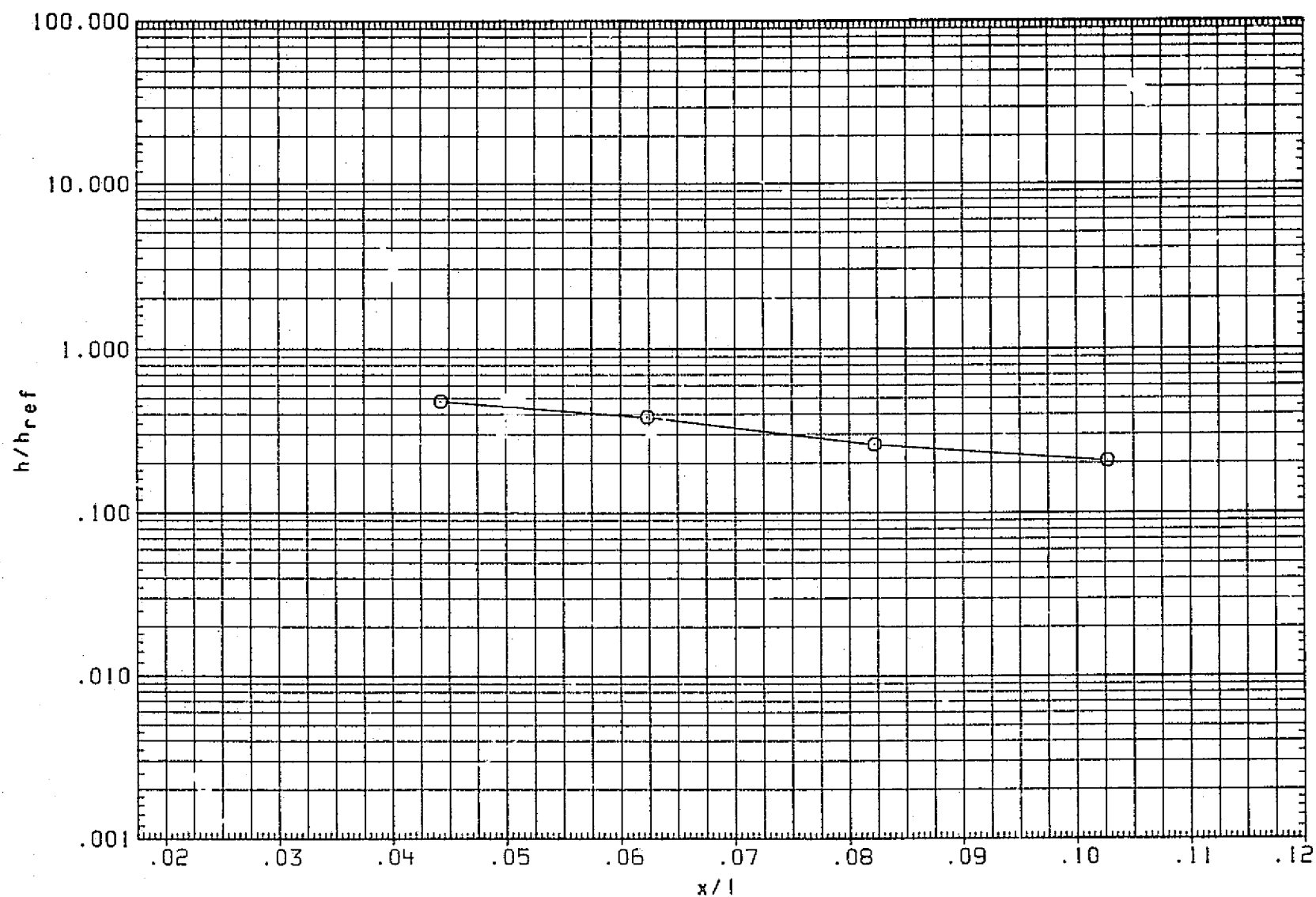


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = .007

PAGE 1613



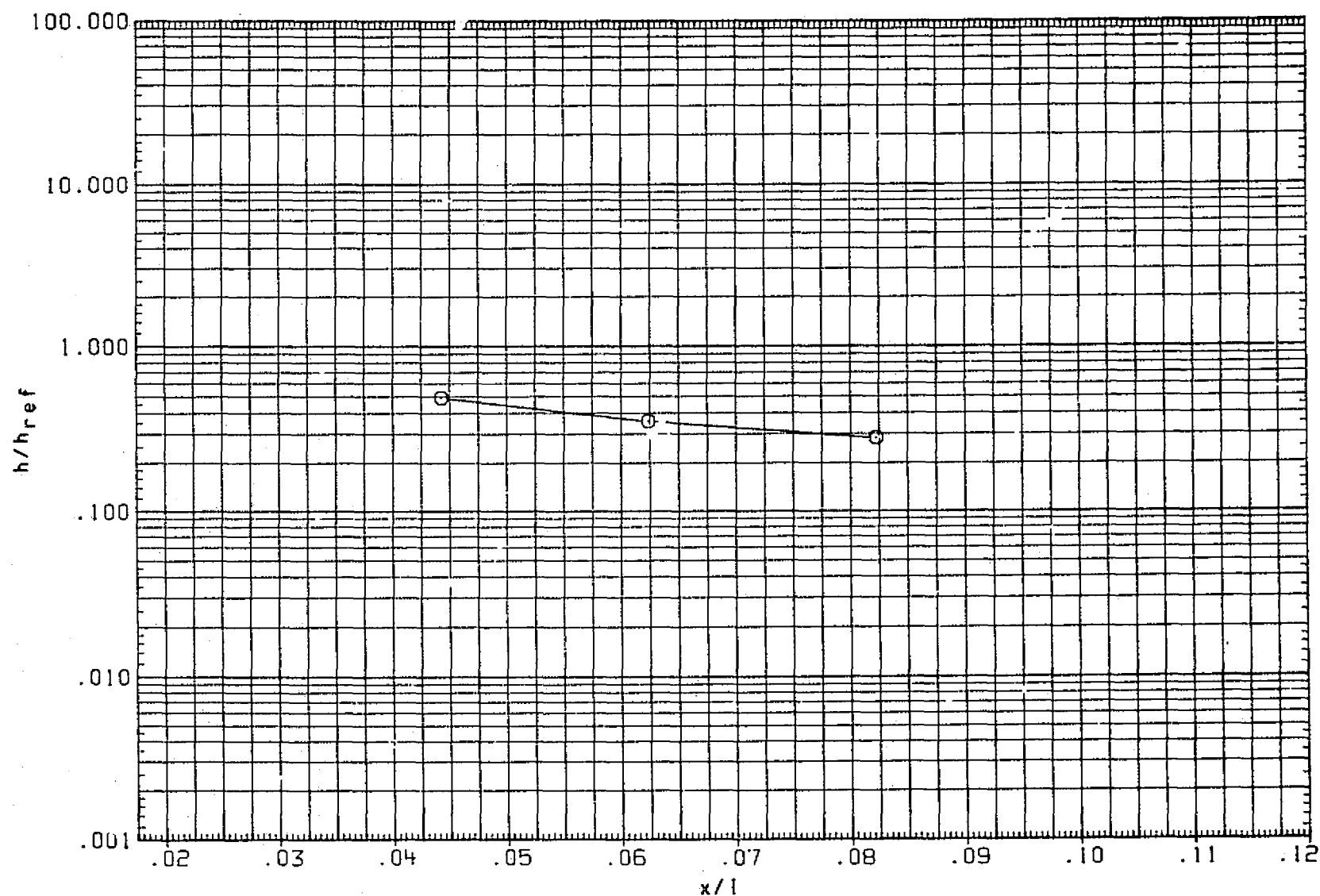


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 DY/L = .009

PAGE 1614

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

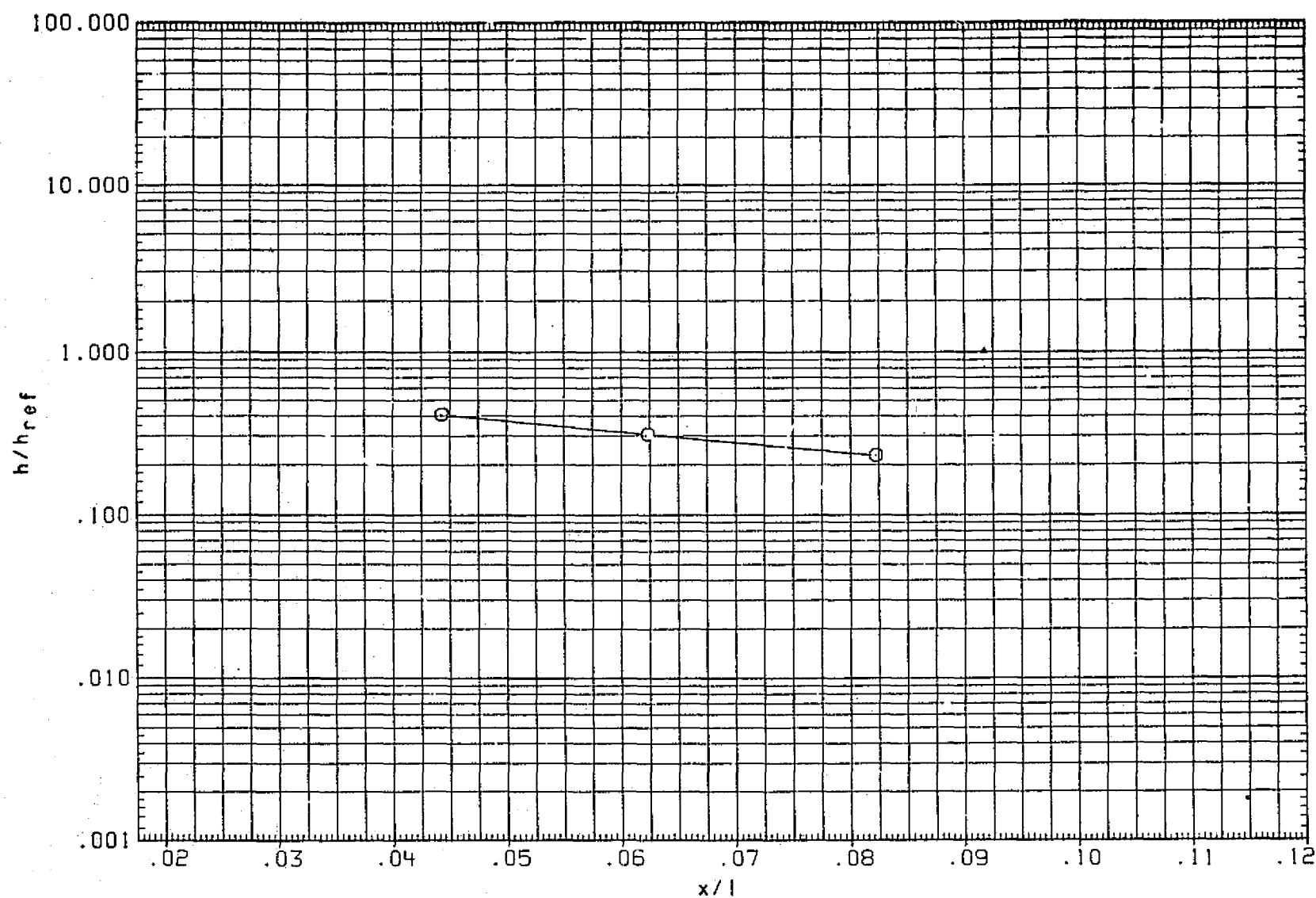


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = -.007

PAGE 1615

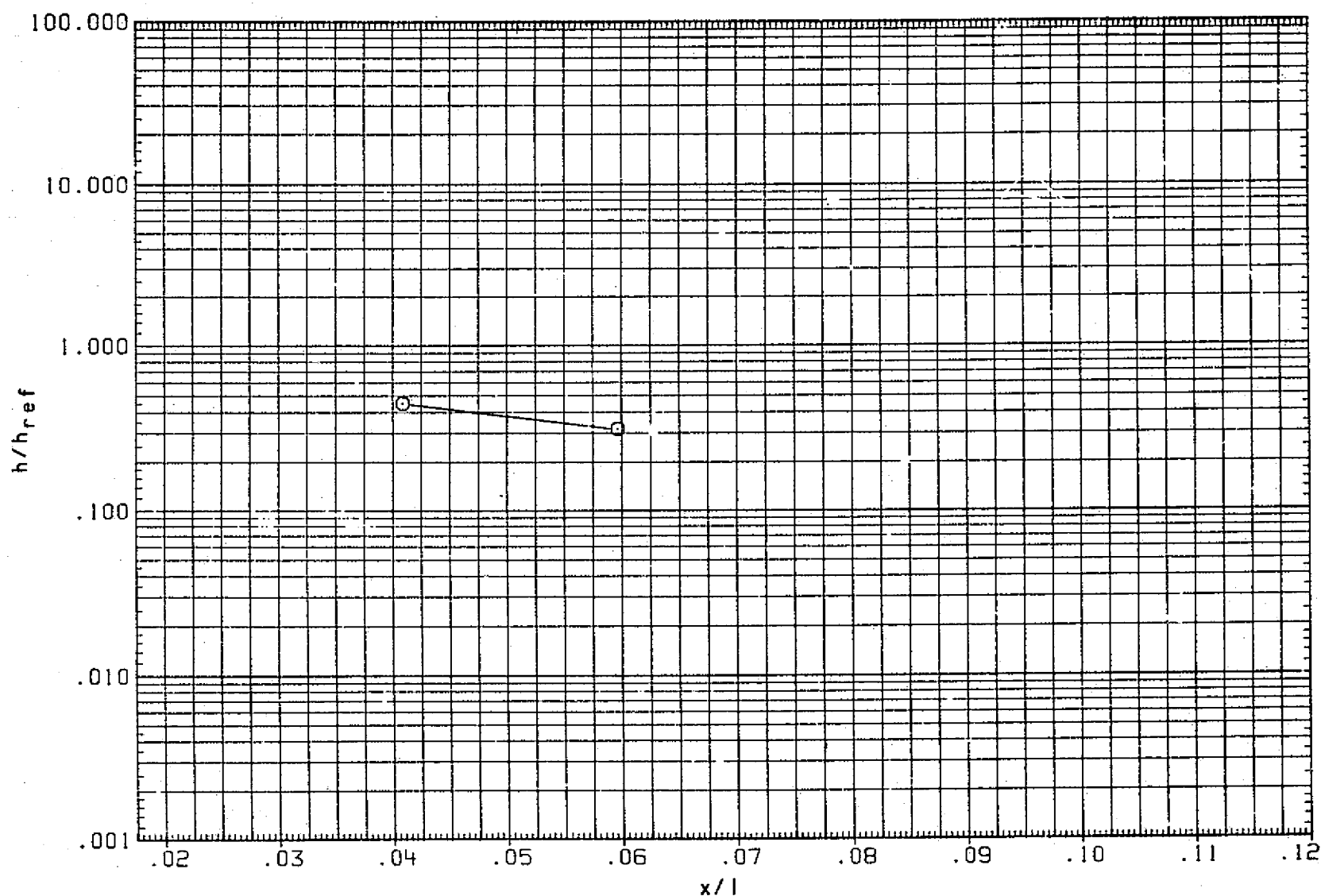


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.006

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 :0.000 .000 5.000

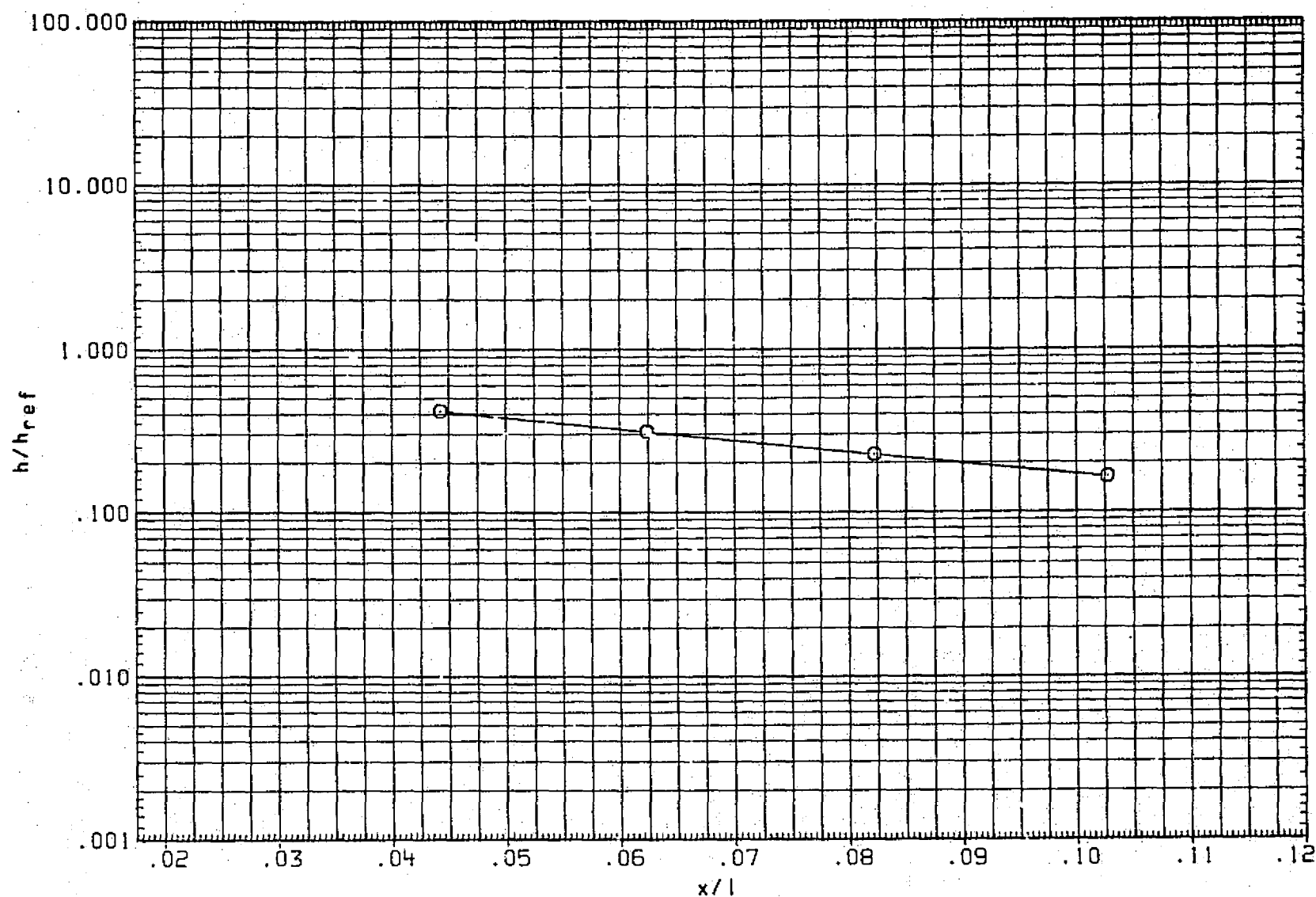


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.005

PAGE 1617

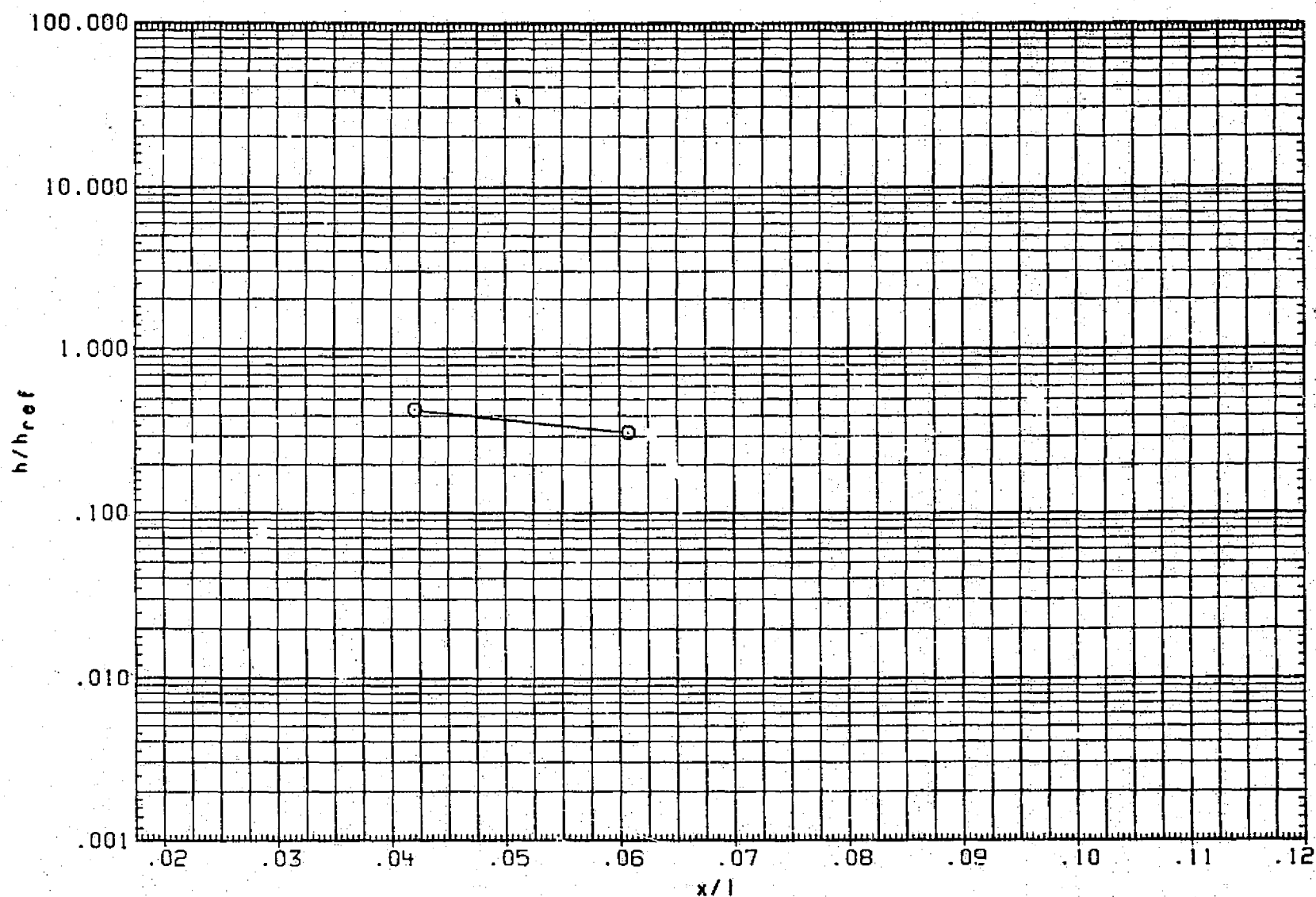


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = -0.004

PAGE 1618

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNT22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

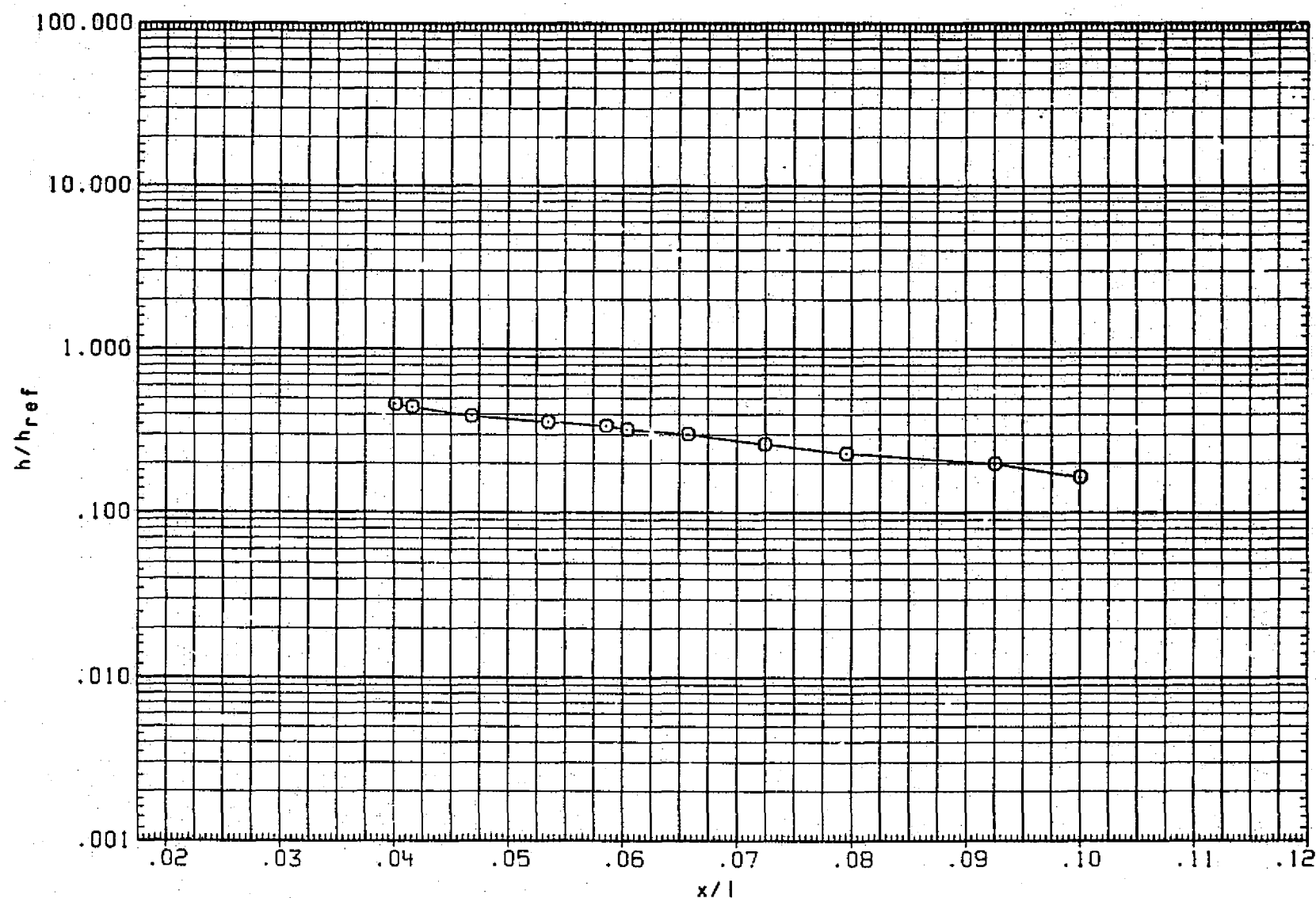


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = -.002

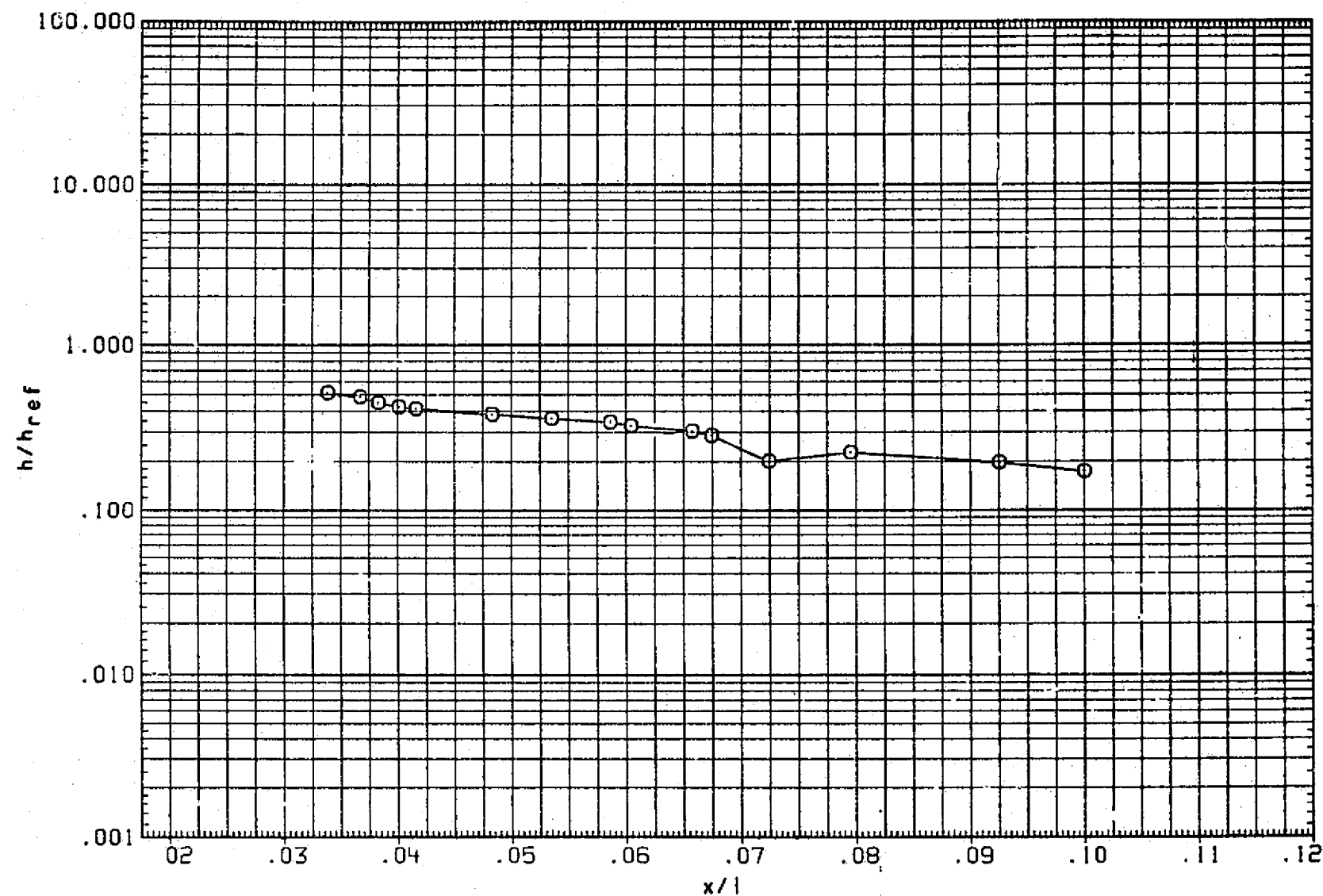


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = .001

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTPC2) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA  $\rho N/L$   
 10.000 .000 5.000

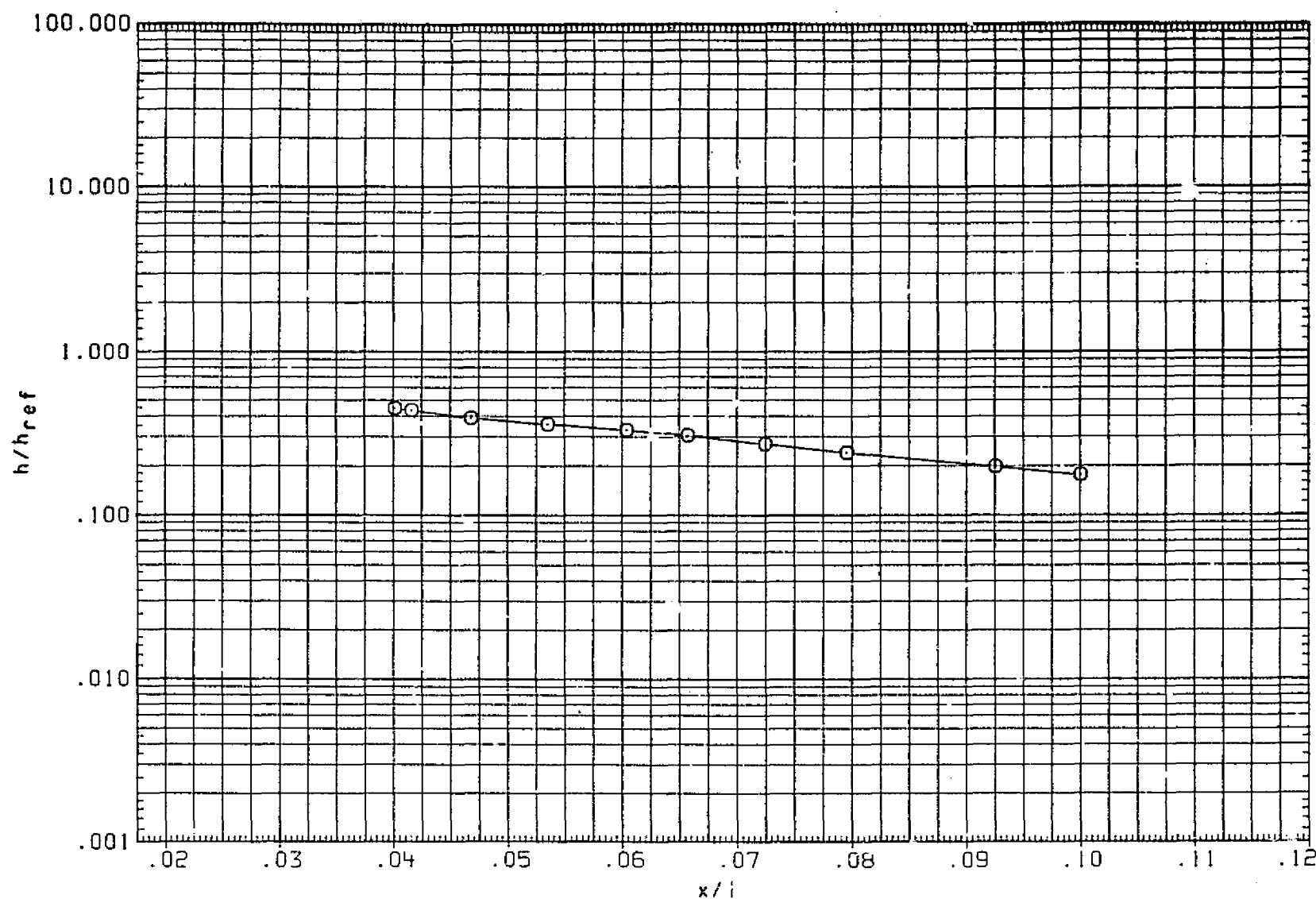


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = .004

PAGE 1621



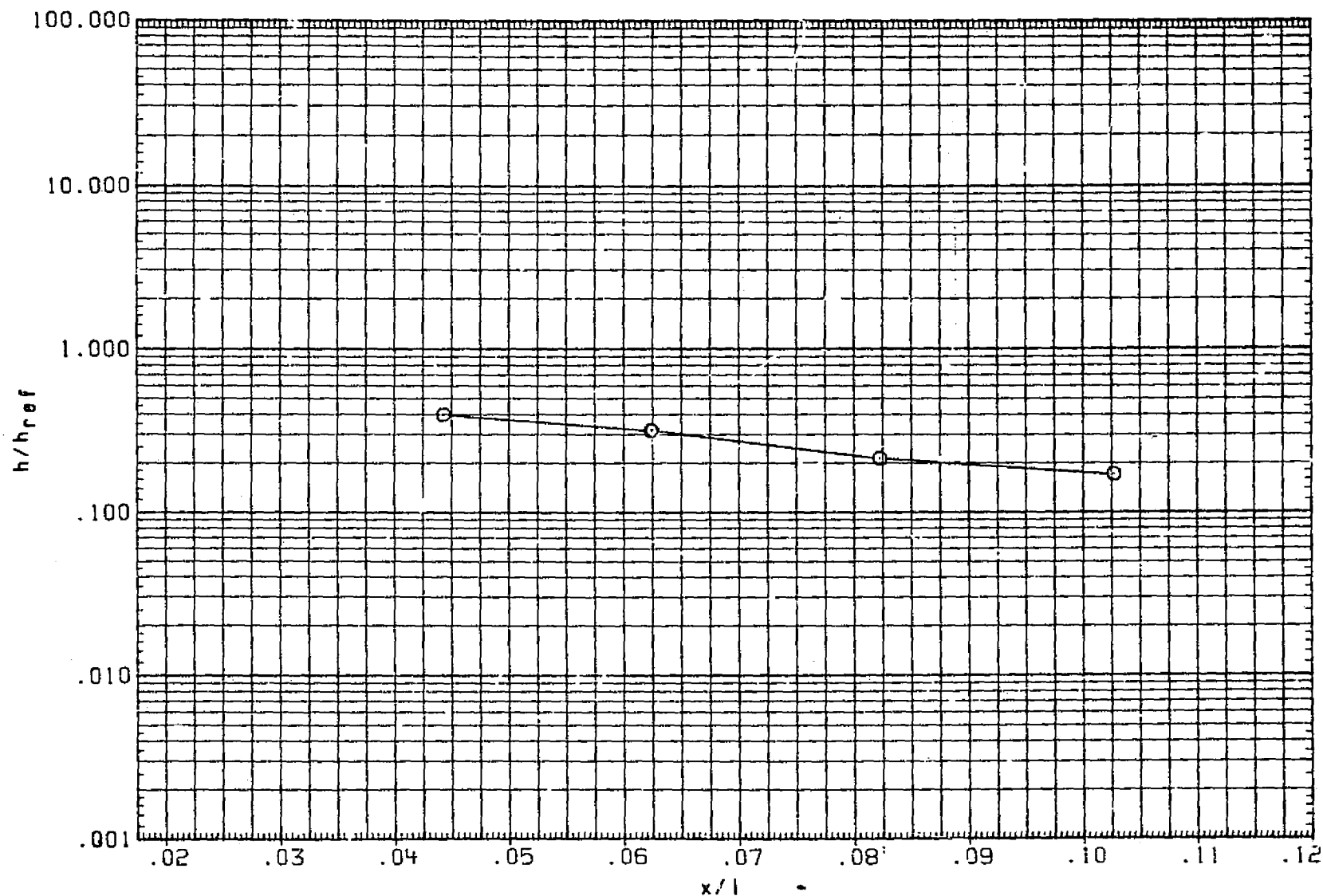


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = .007

PAGE 1622

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNP22) O ARC3.5-215(FH14)PROTUB AREA (CLEAN)

ALPHA BETA RN/L  
 10.000 .000 5.000

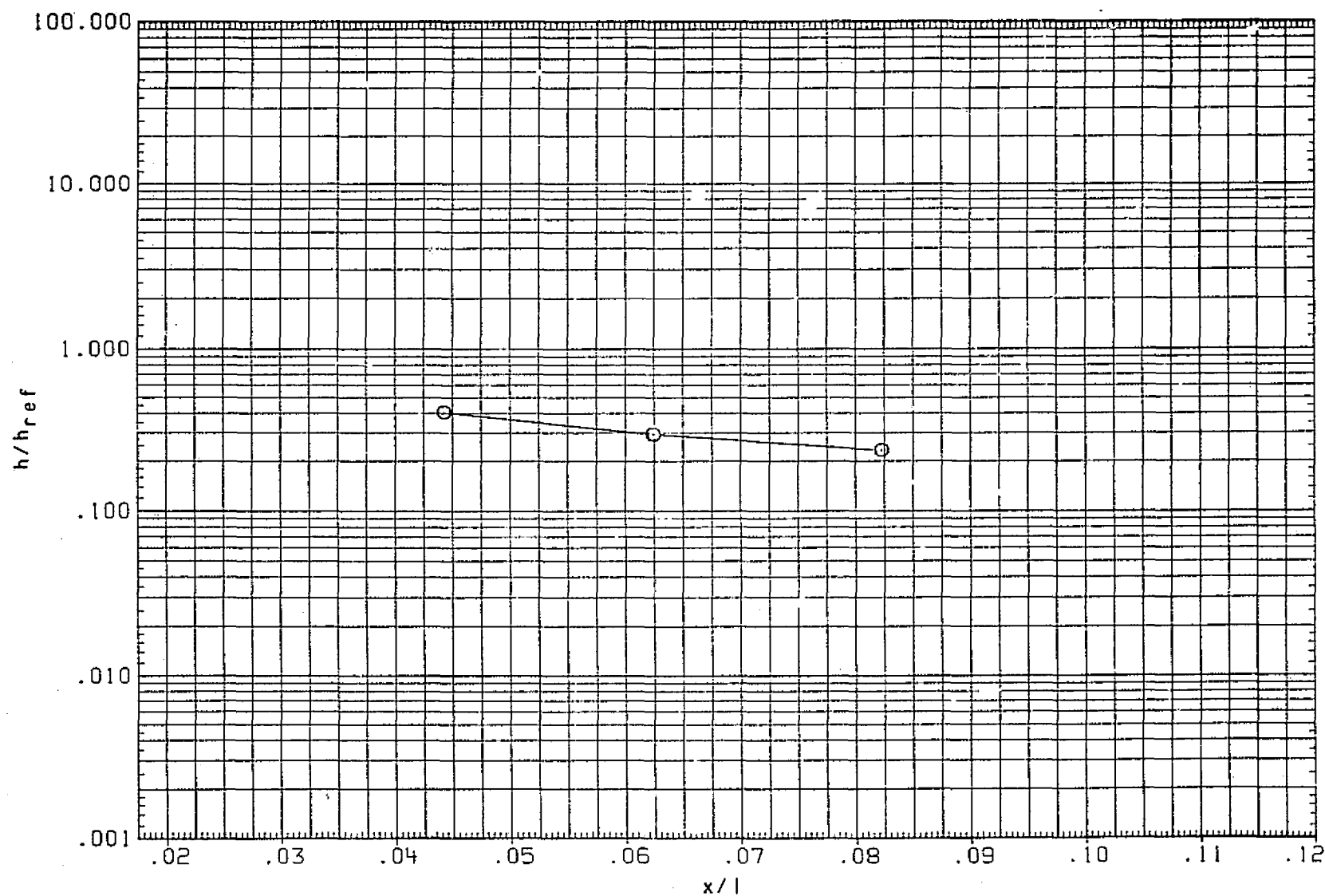


FIG. 20 EXTERNAL PROTUB. AREA, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 DY/L = .009

PAGE 1623

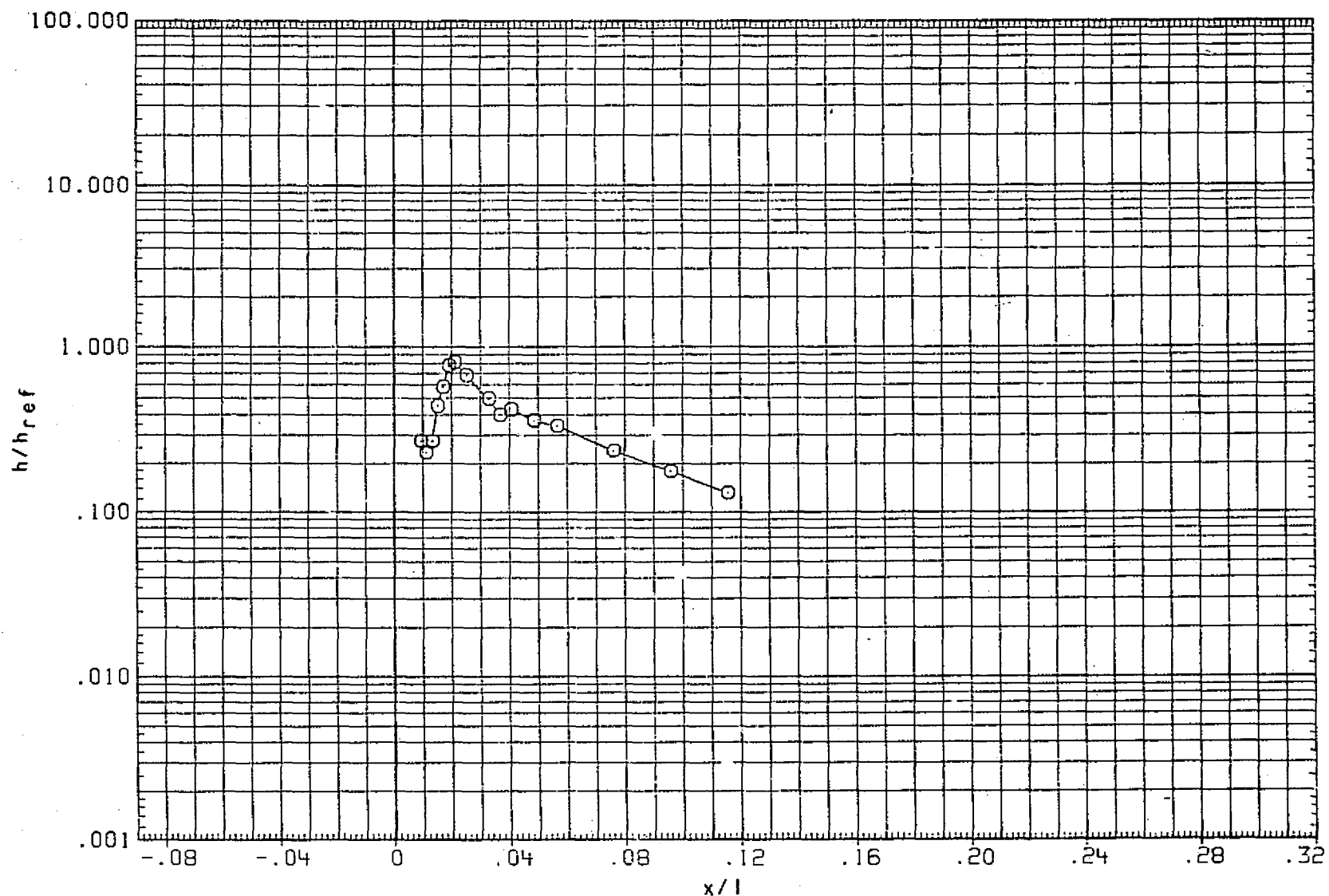


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .850 THETA = .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BET A RN/L  
 10.000 .000 1.500

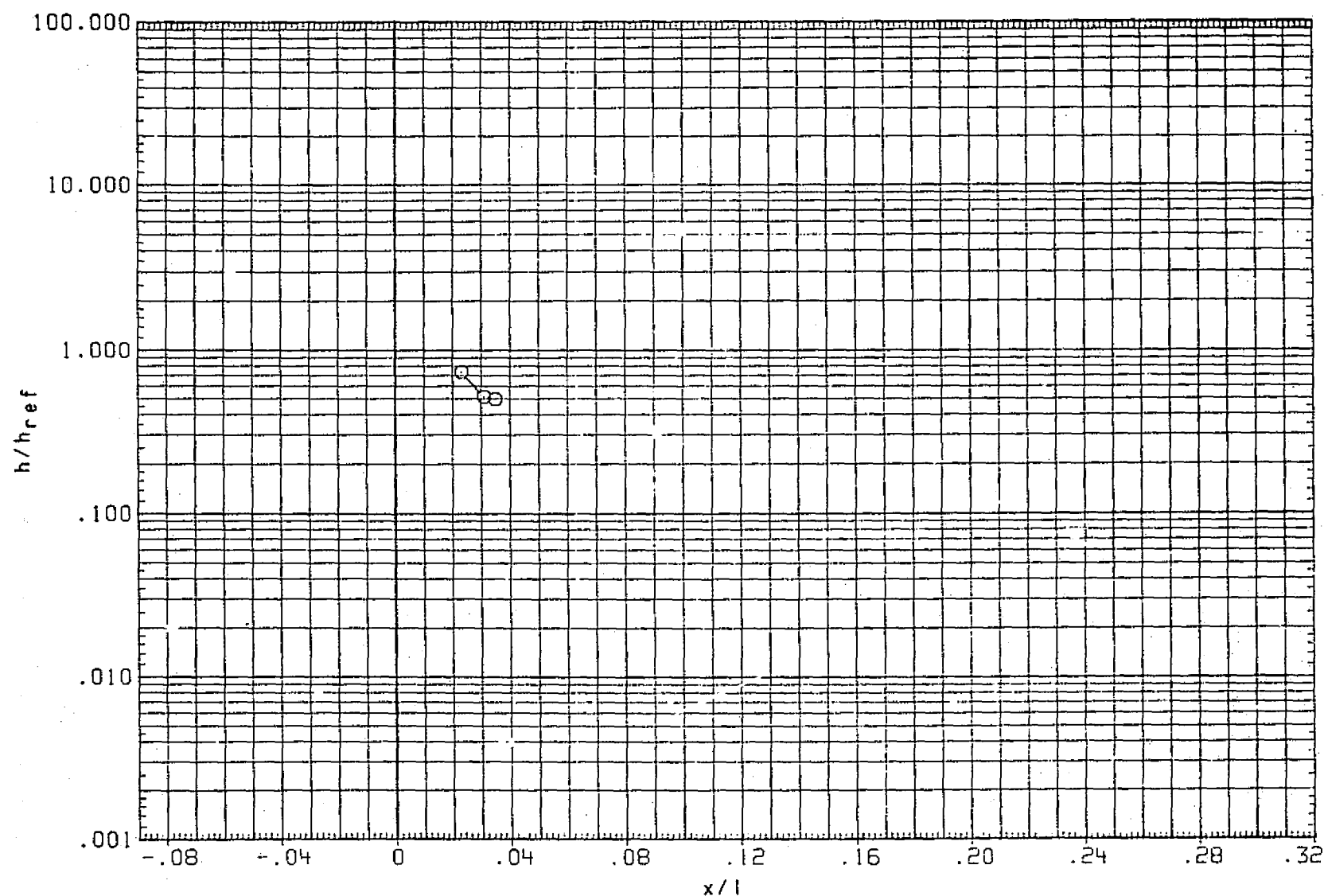


FIG. 21 TANK FOREBODY. EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .850 THETA = 10.000

PAGE 1625

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
10.000 .000 1.500

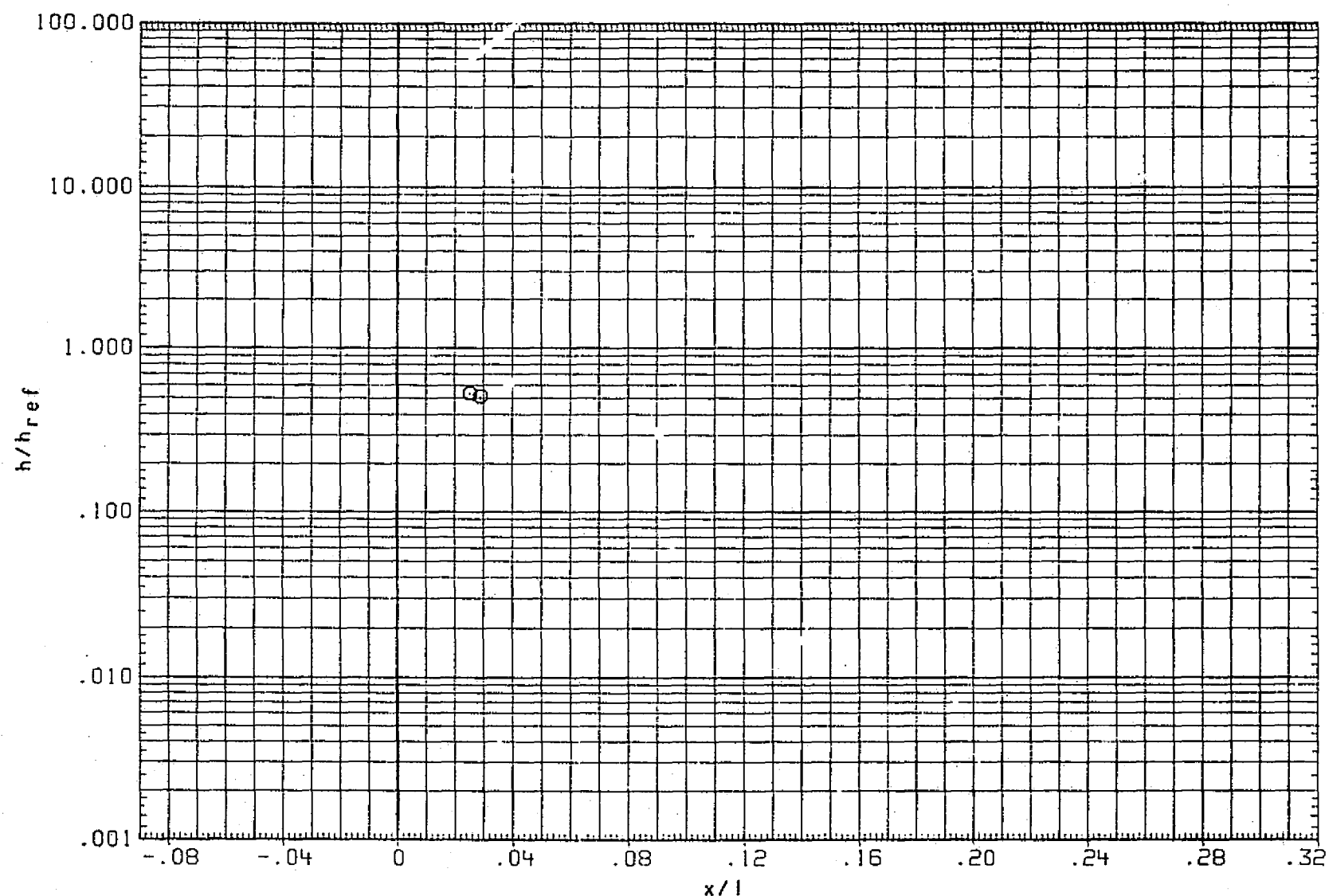


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .850 THETA = 20.000

PAGE 1626

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

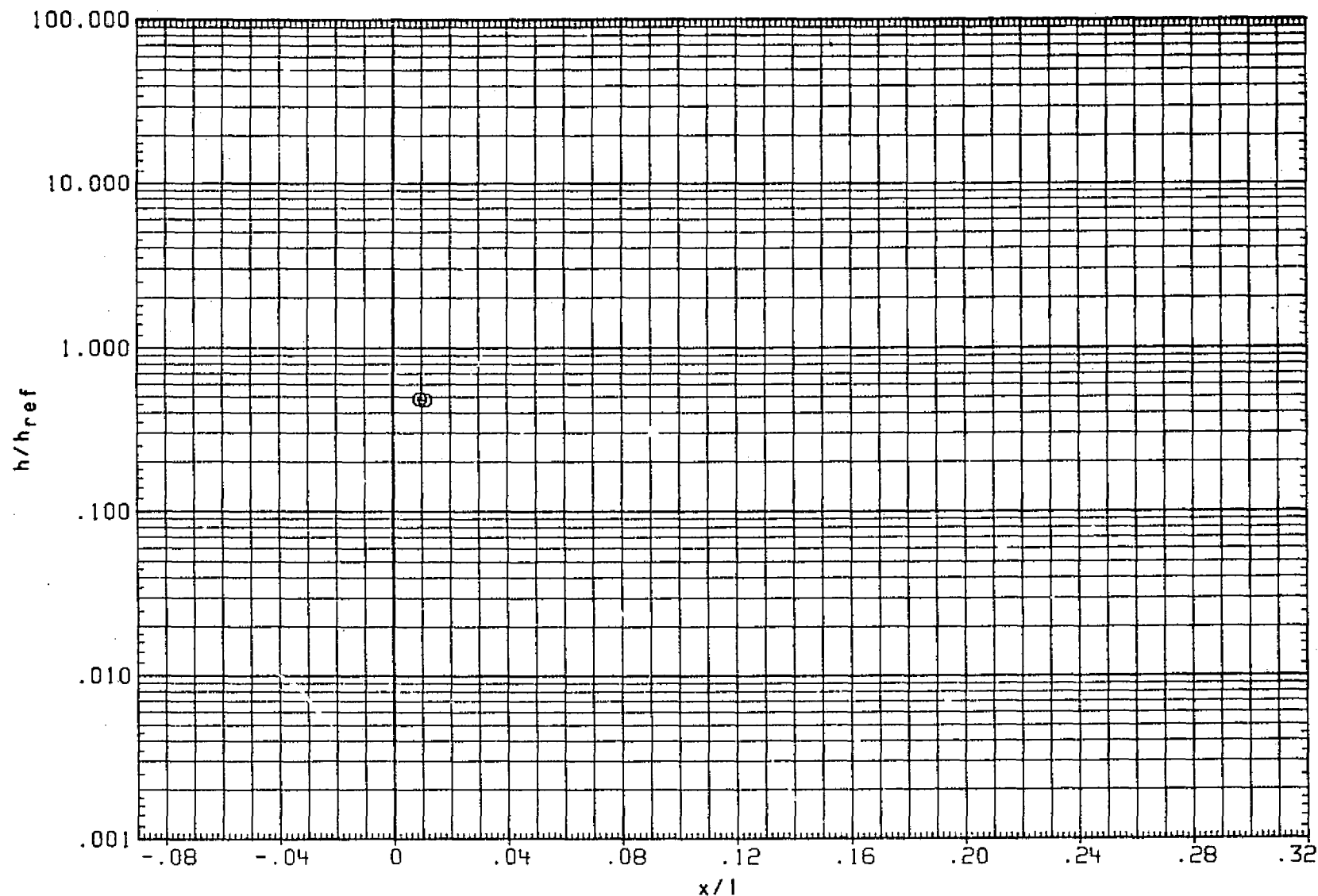


FIG. 21 TANK FOREBODY,

EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .850 THETA = 31.500

PAGE 1627

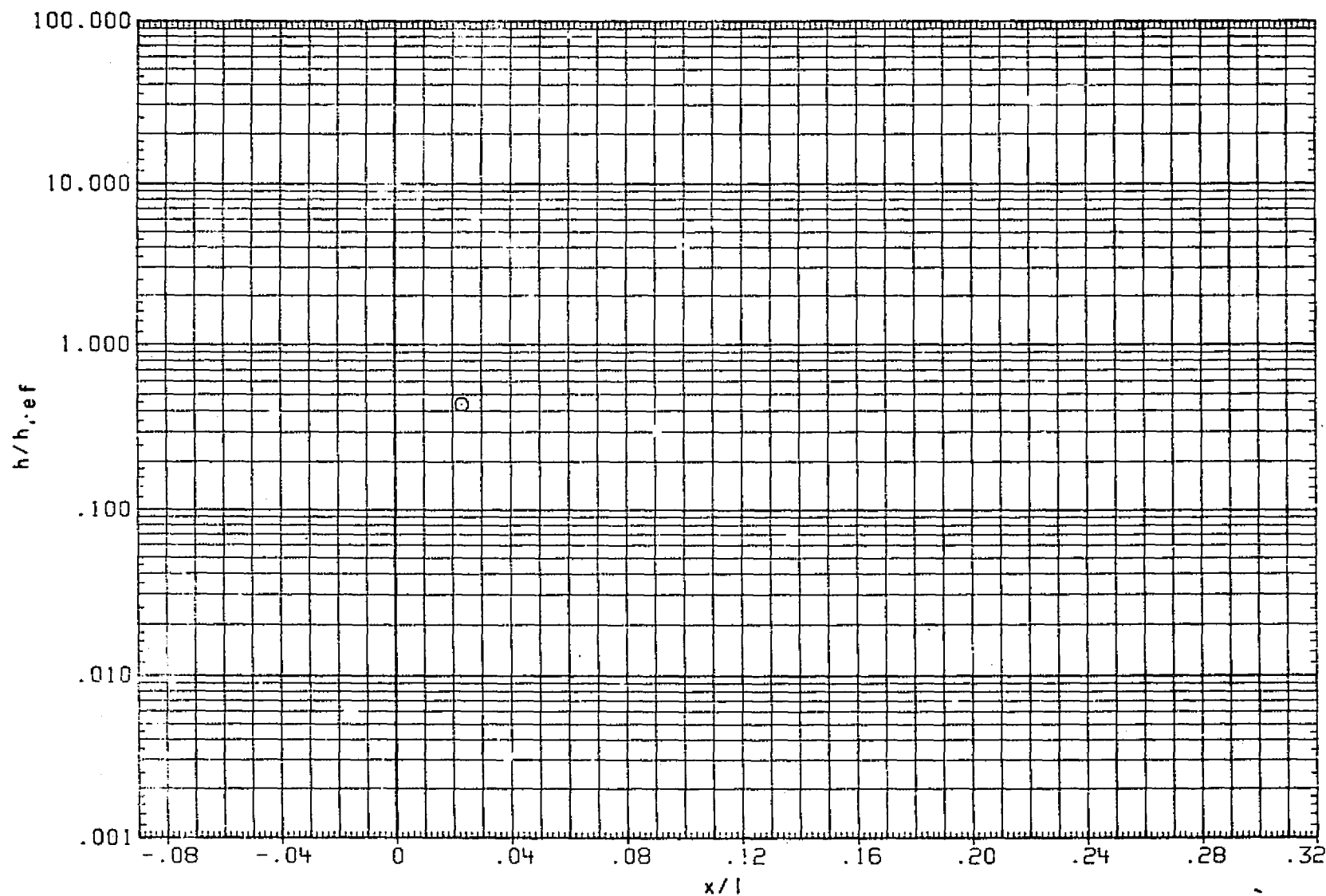


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .850 THETA = 45.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

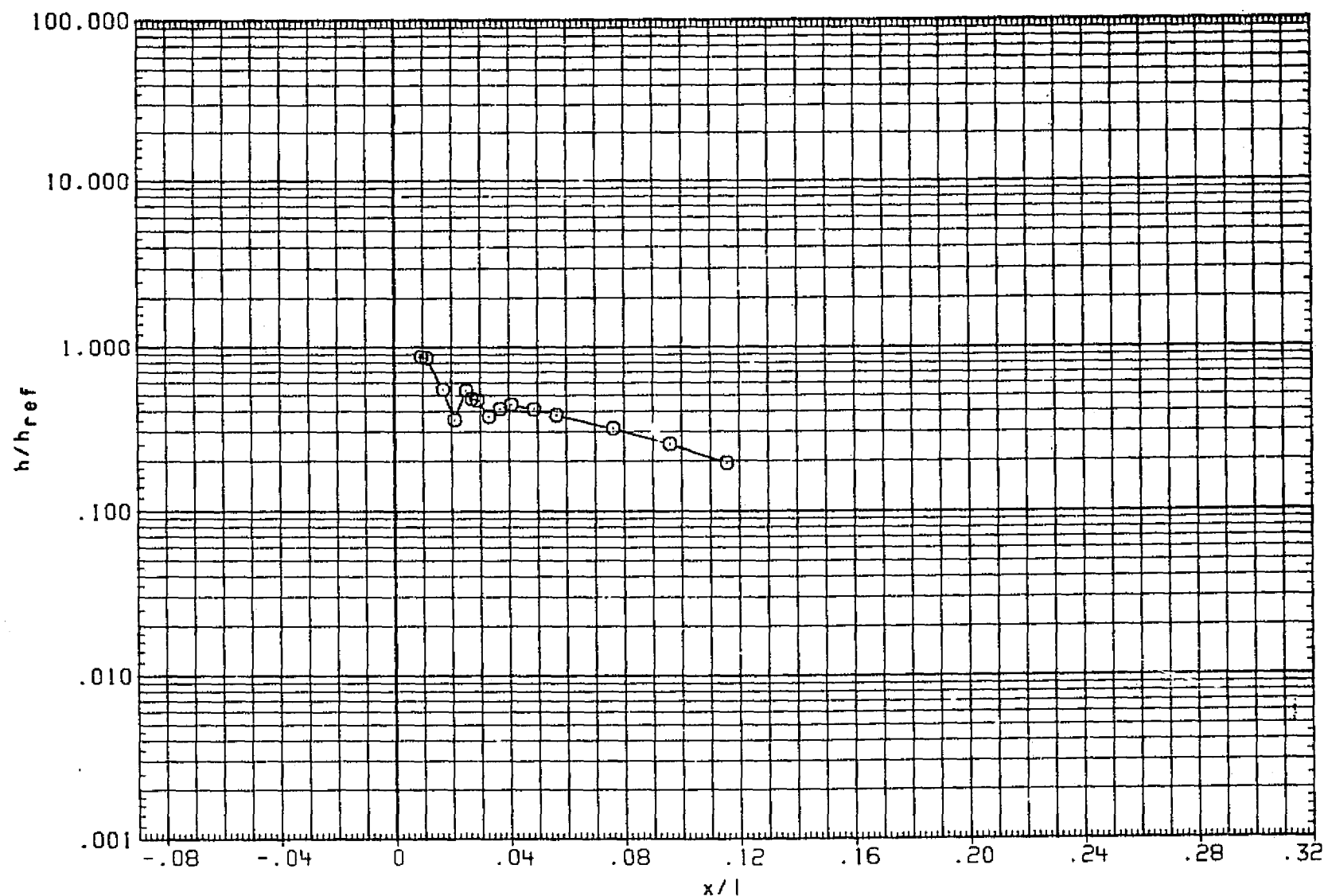


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .950 THETA = 90.000



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
(RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
10.000 .000 1.500

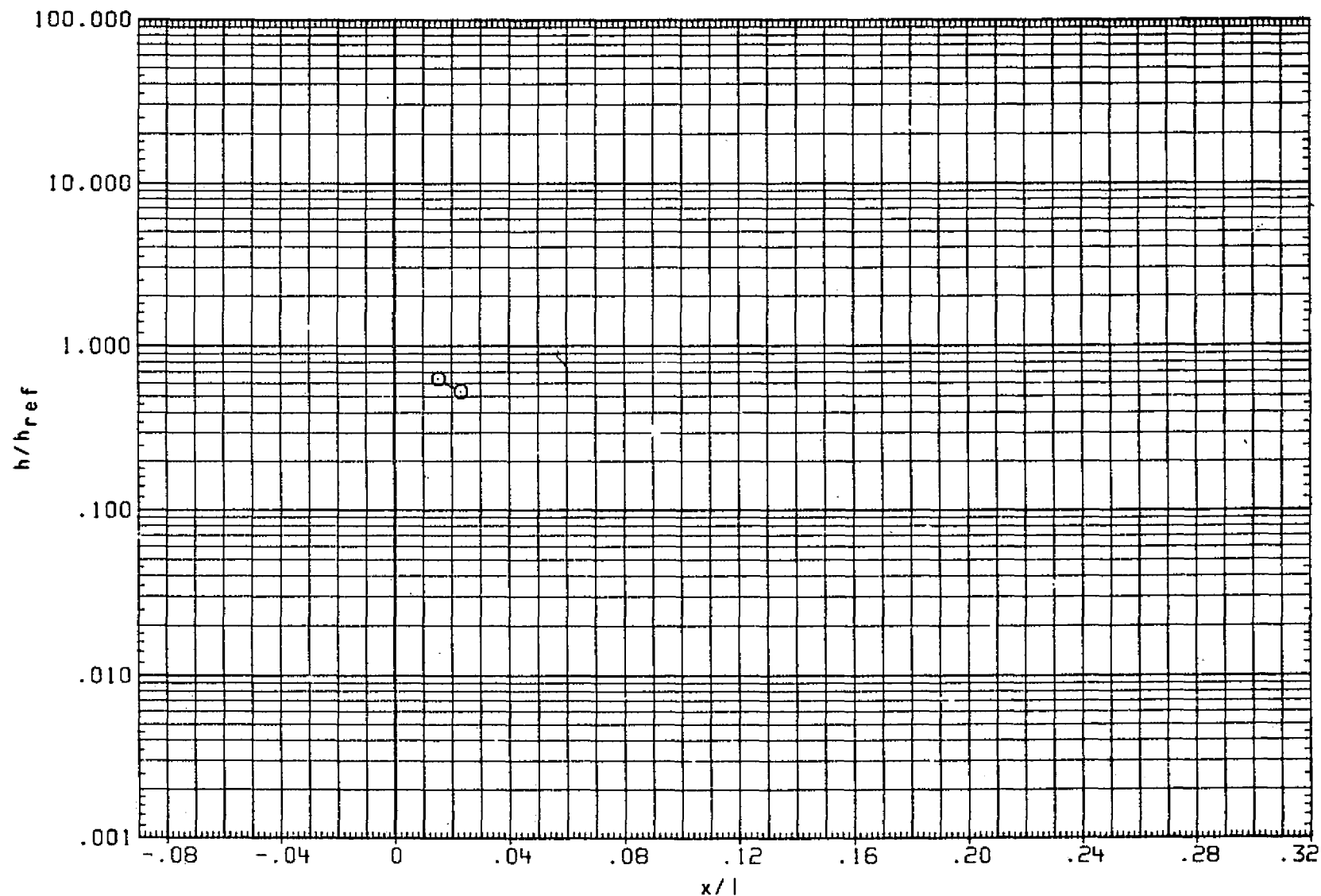


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .850 THETA = 135.000

PAGE 1630

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT31)    ○	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	1.500

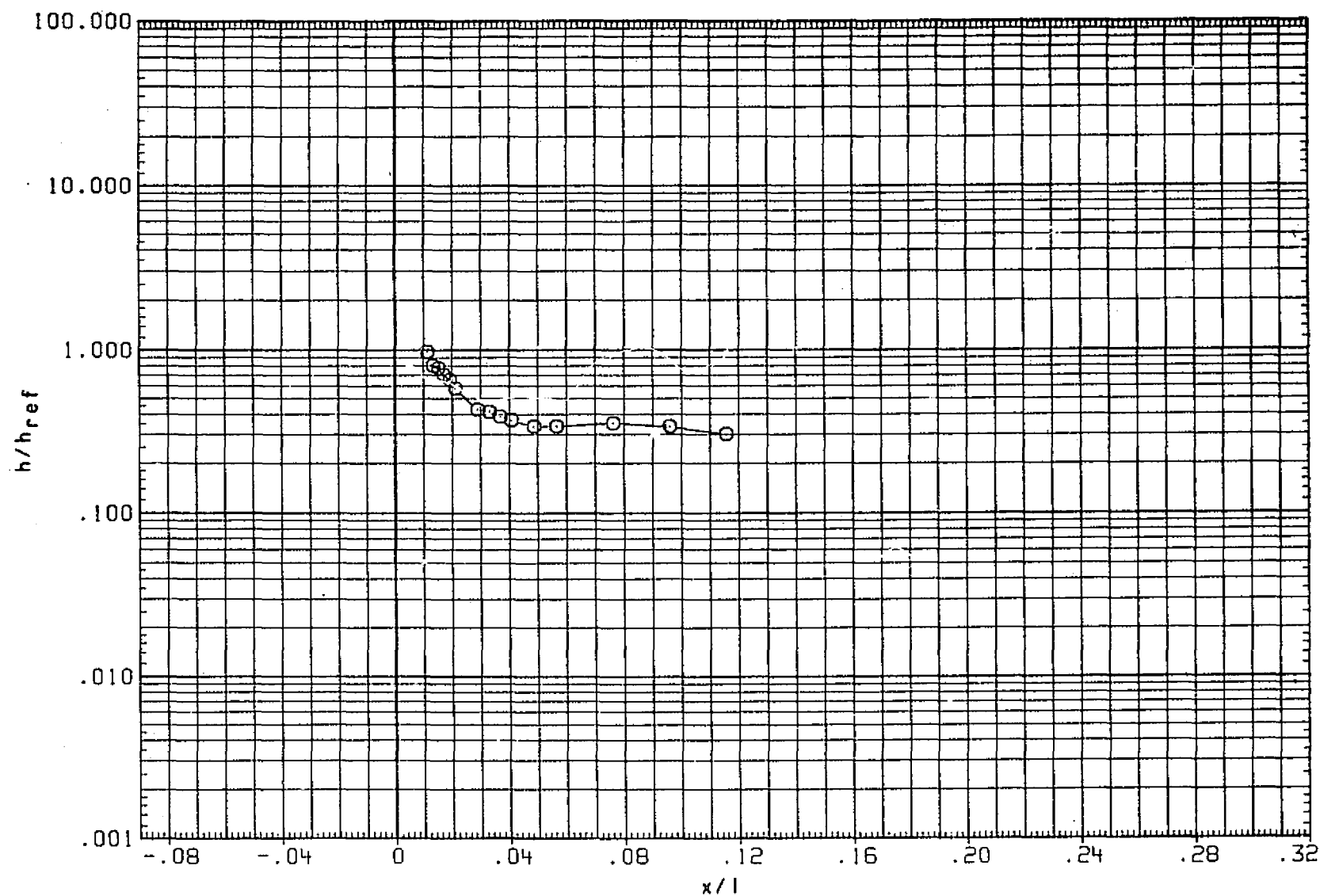


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200    HAW/HT = .850    THETA = 180.000

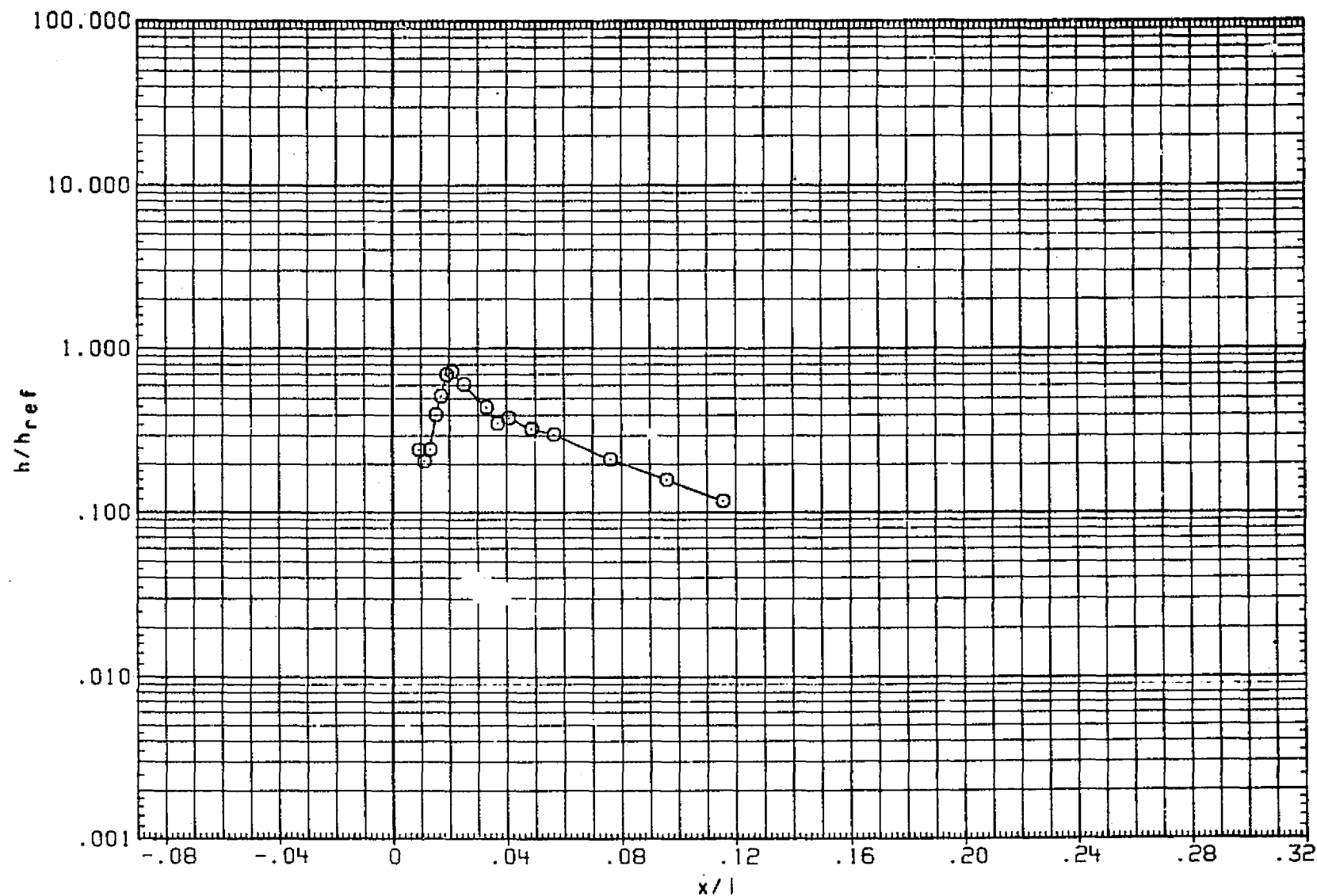


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

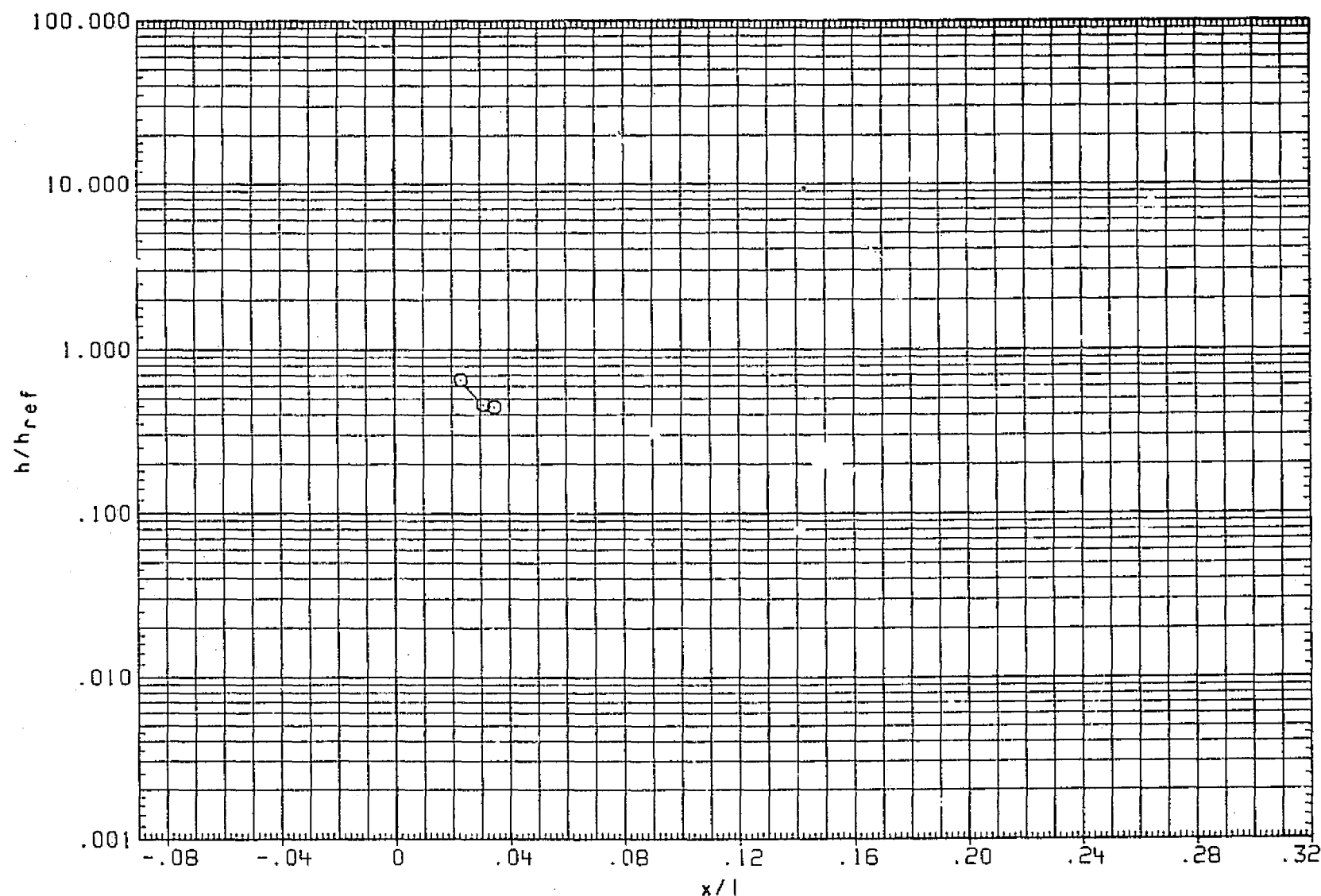


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 10.000

PAGE 1633

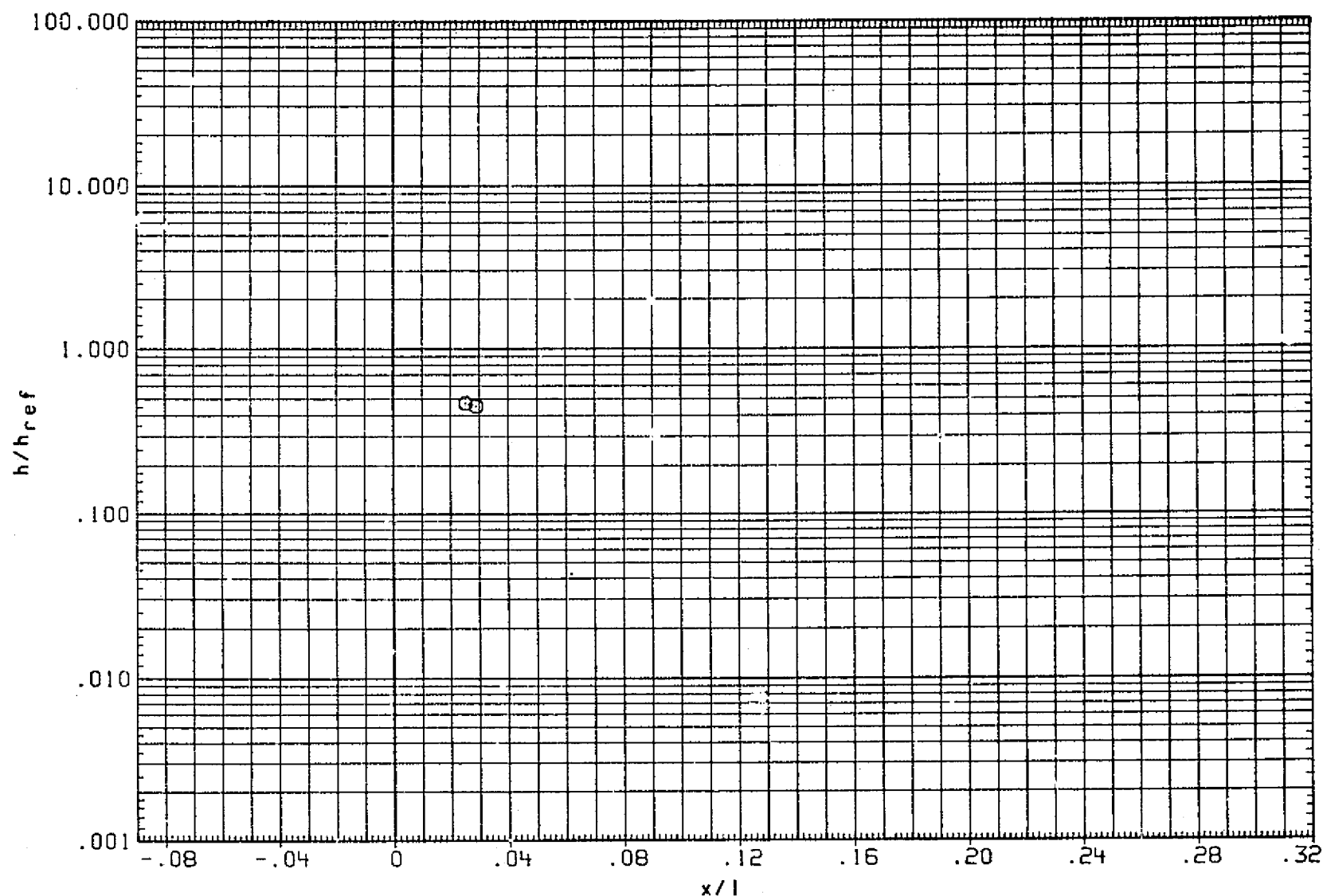


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 20.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

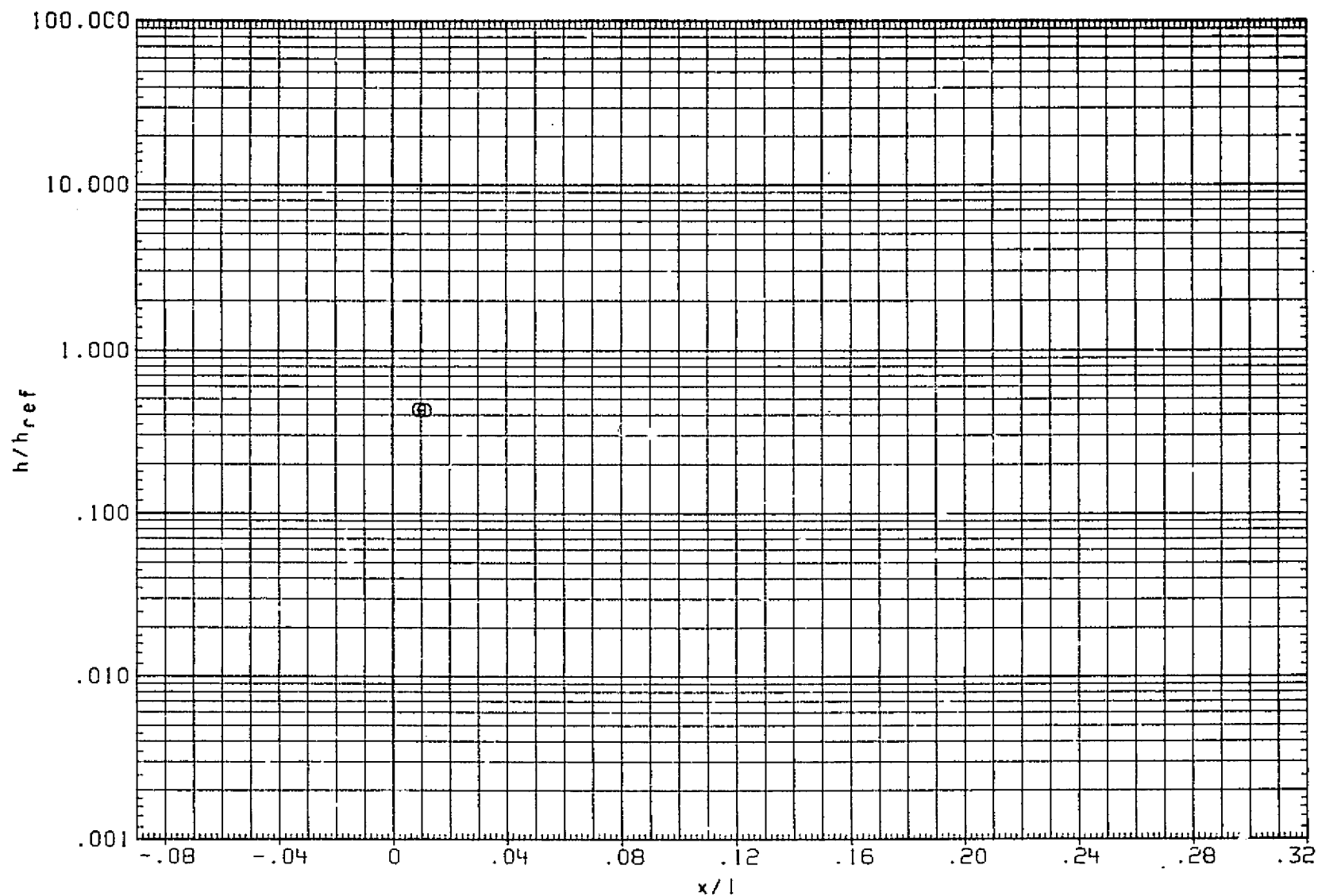


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 31.500

PAGE 1635

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT31) O	ARC3.5-215'FH14)10/46 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	1.500

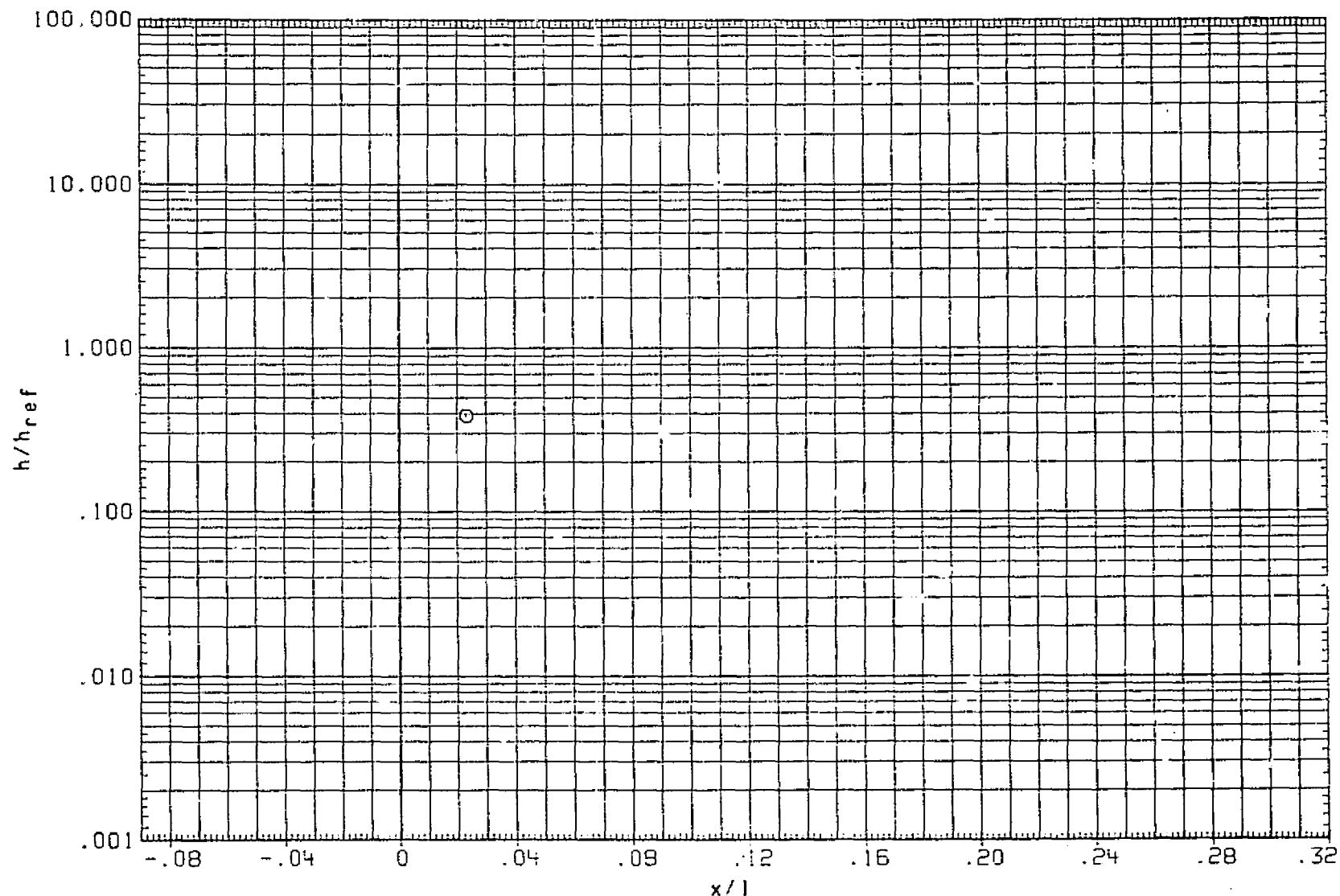


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 45.000

PAGE 1636

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

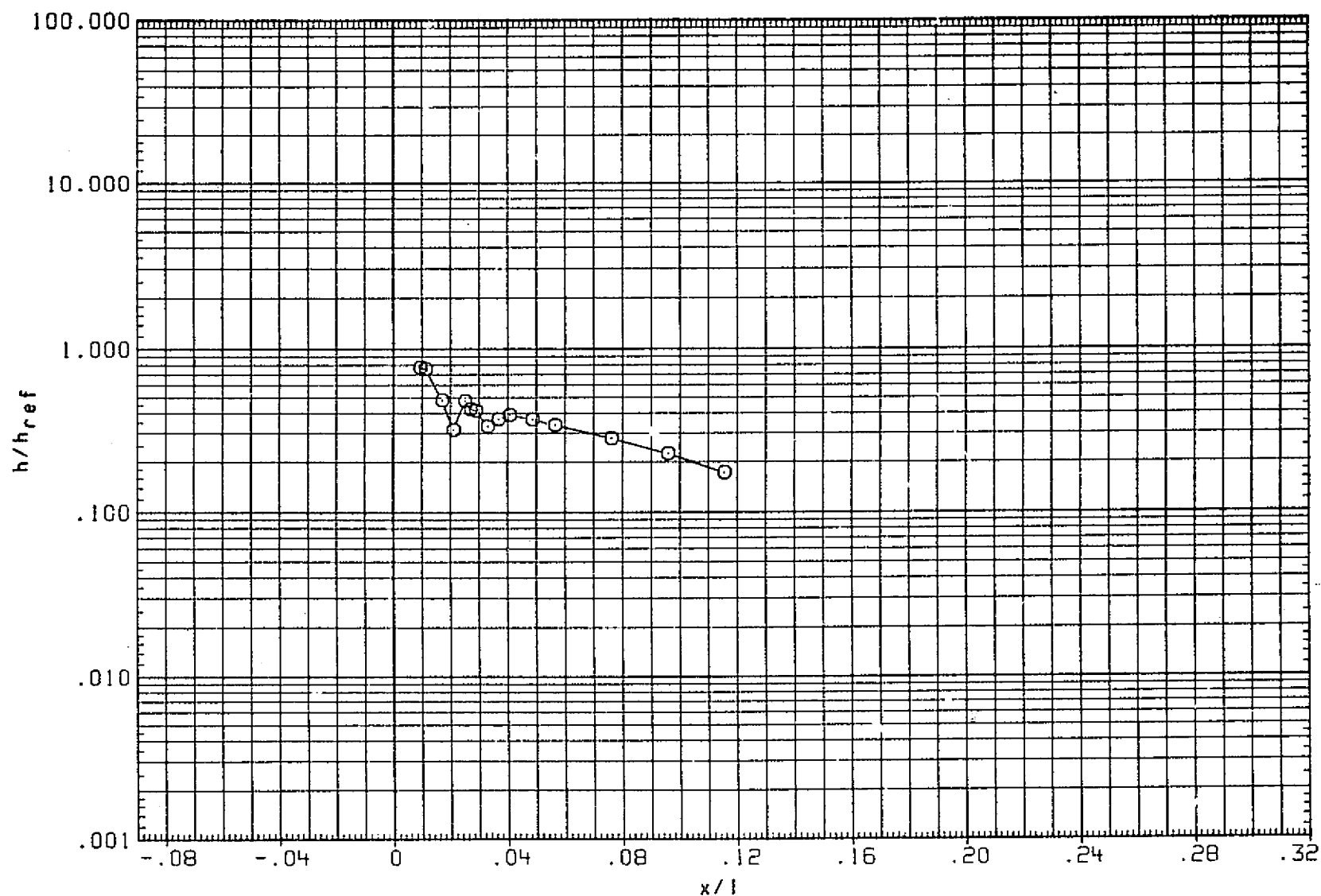


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 90.000



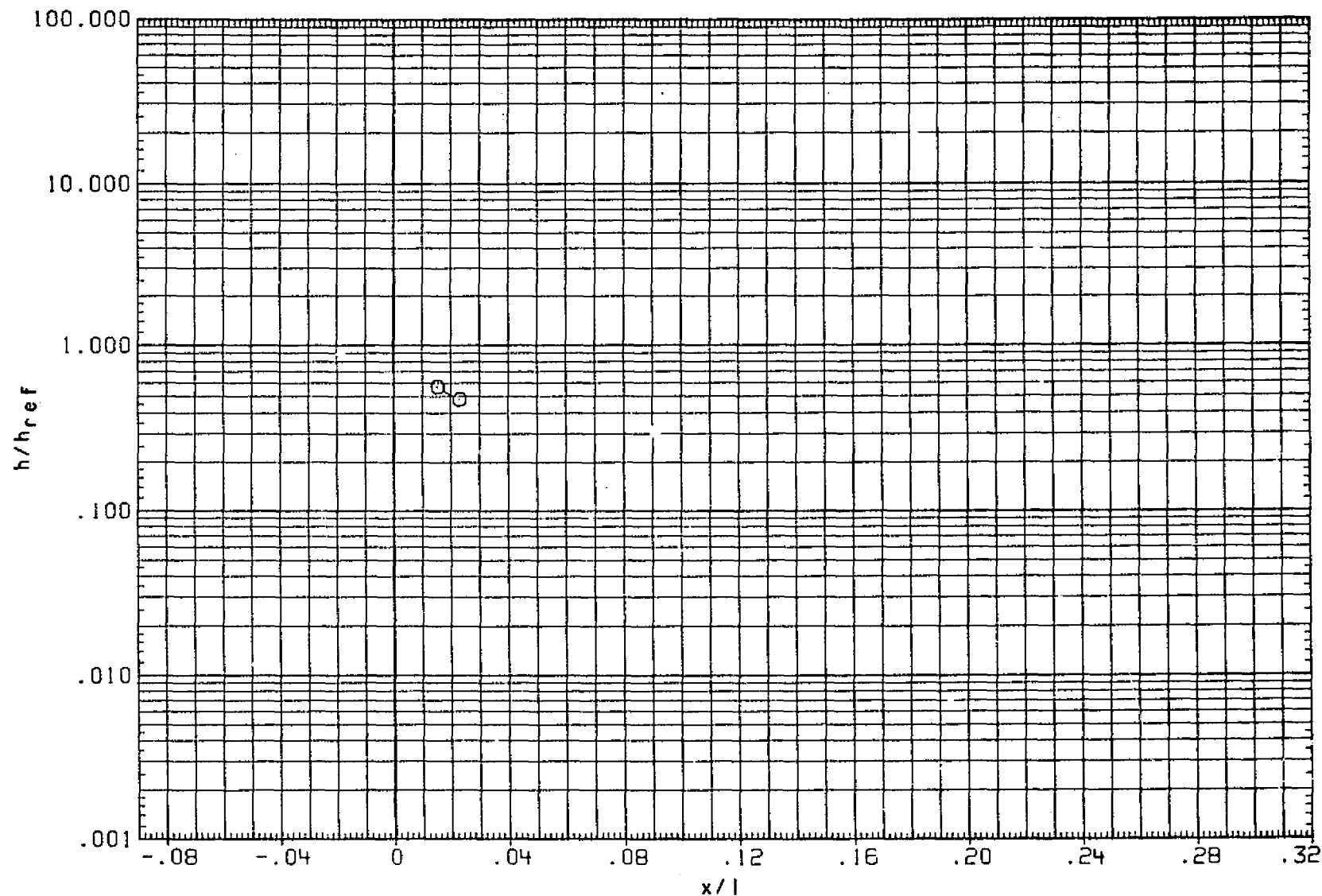


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH)10/40 C/O ET NOSE-AFT BODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

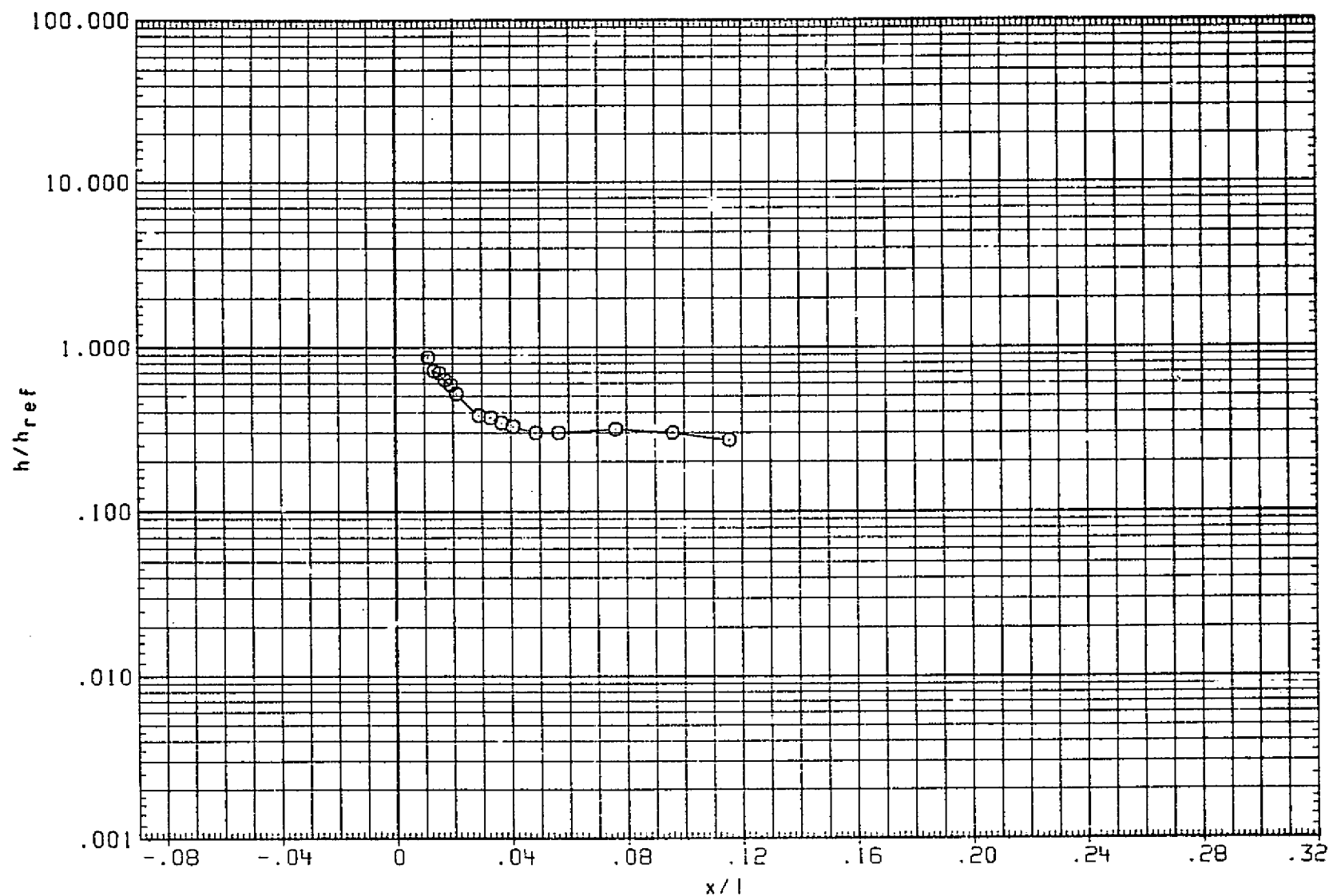


FIG. 21 TANK FOREBODY,

EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = .900 THETA = 180.000

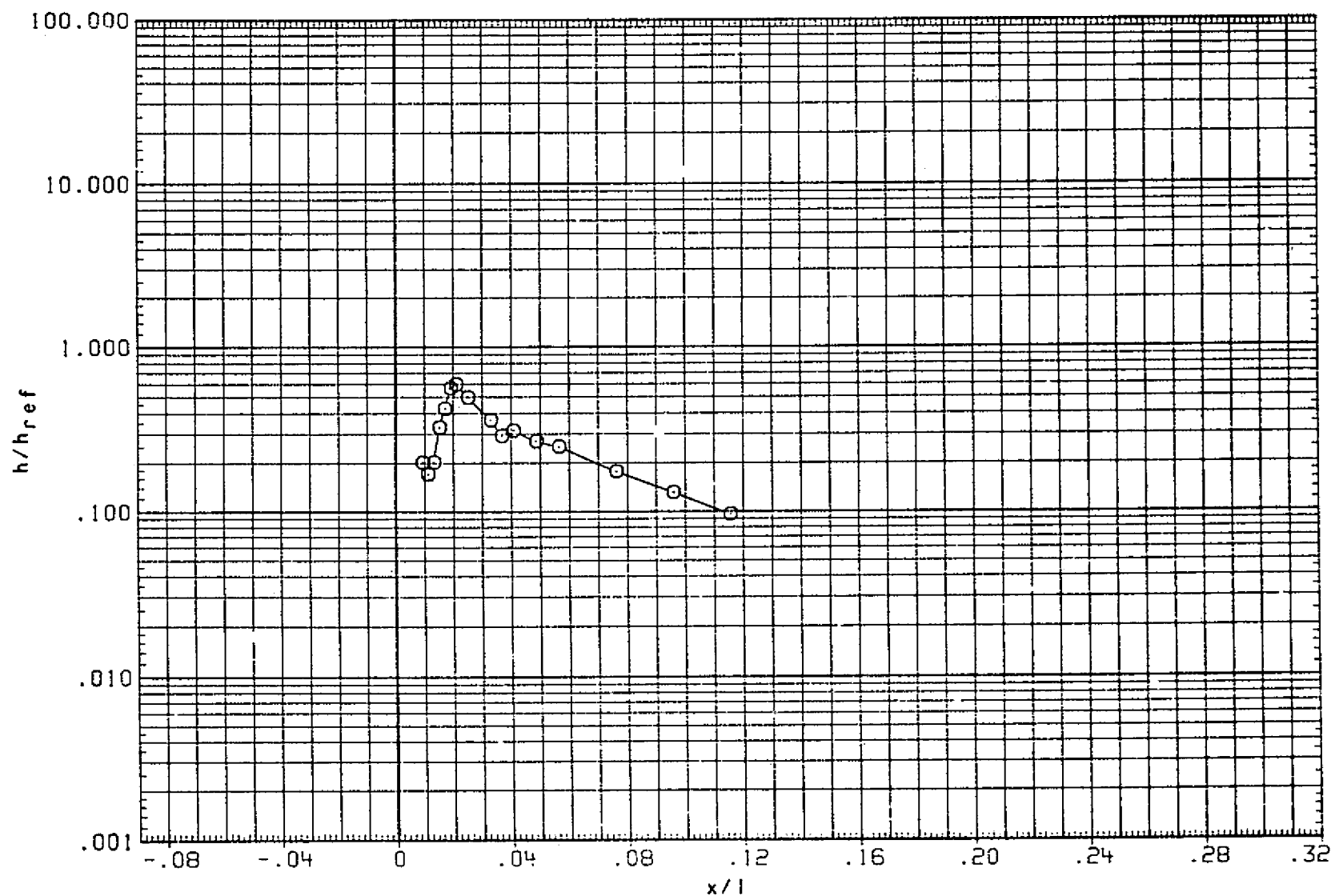


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

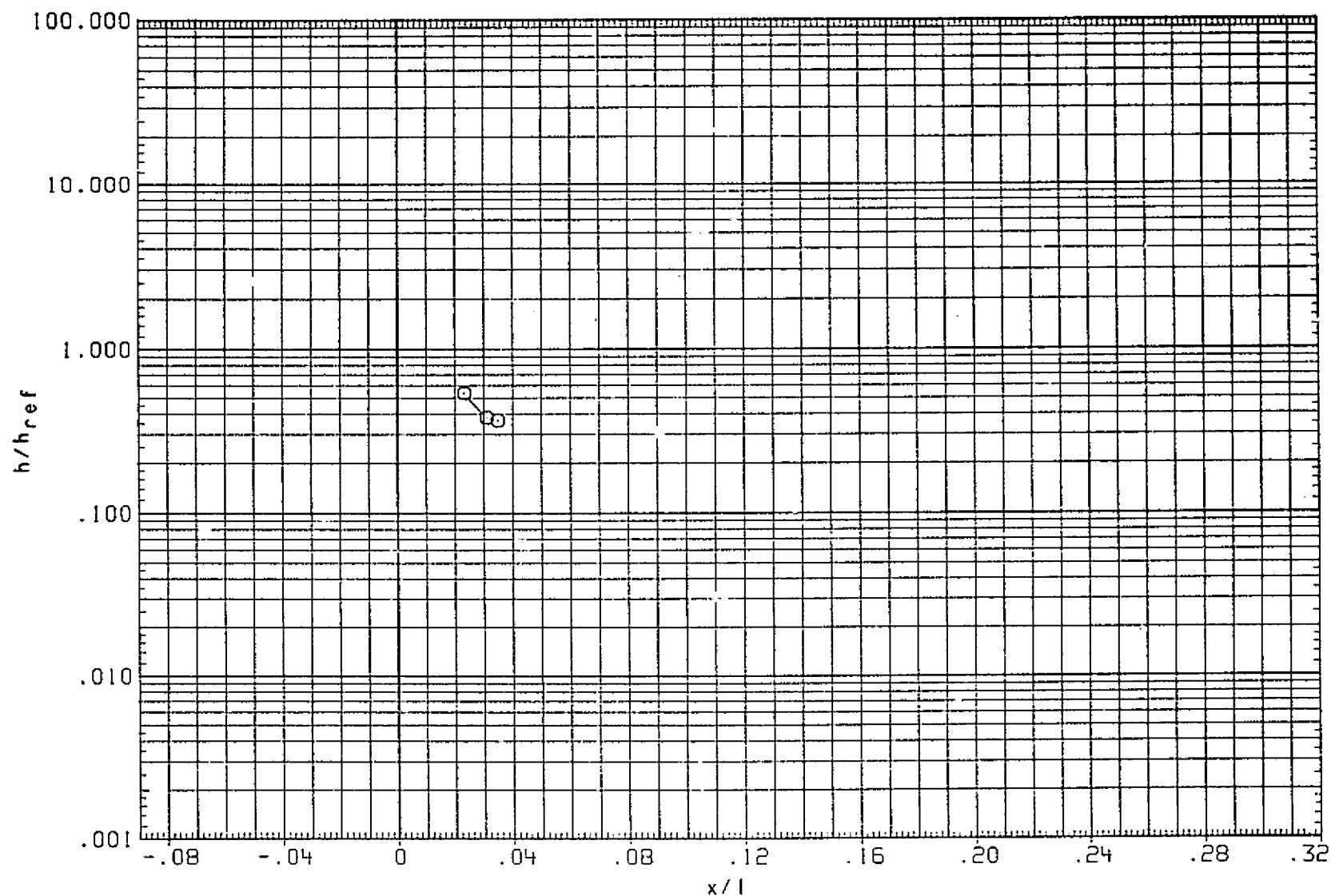


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = 10.000

PAGE 1641

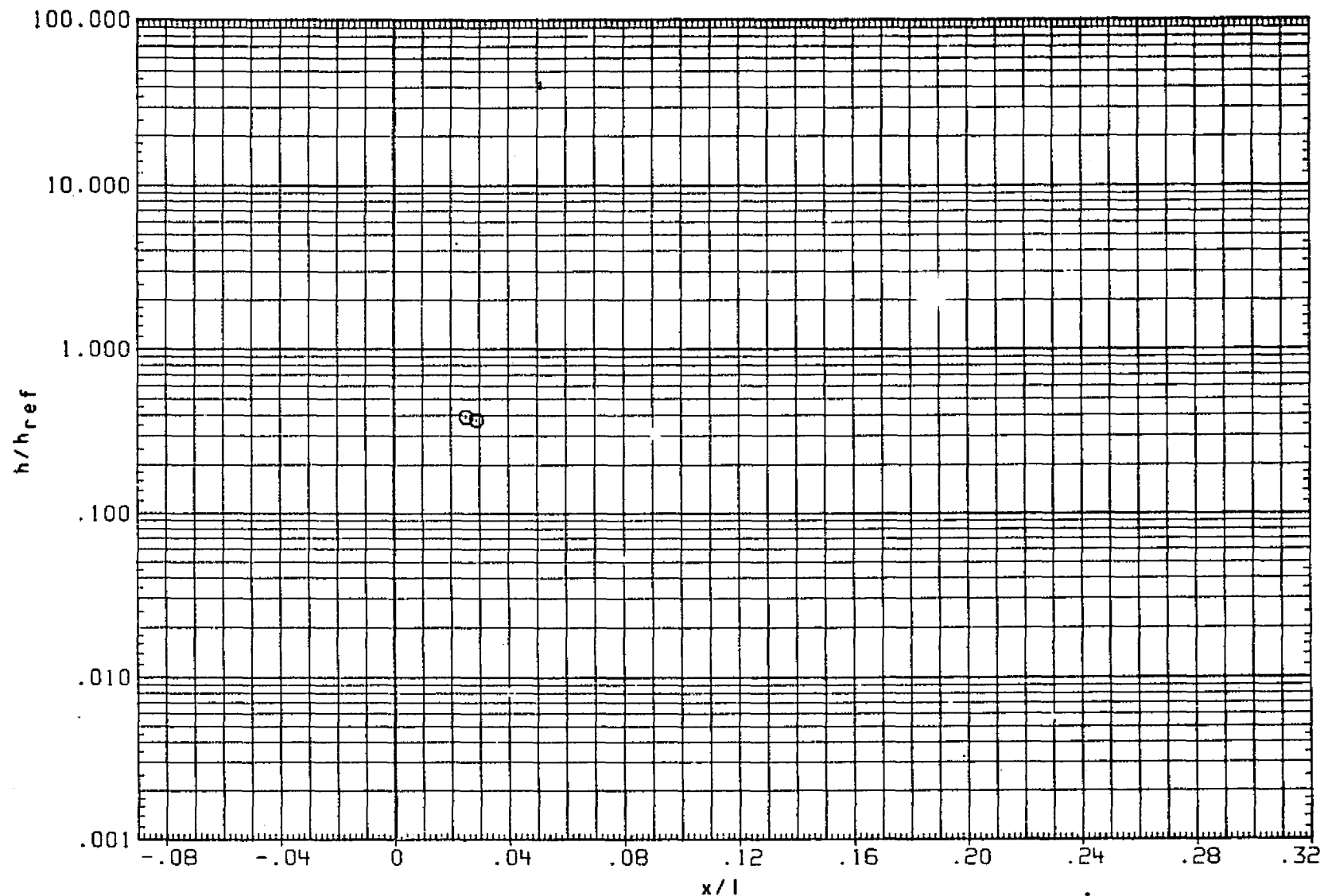


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = 20.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

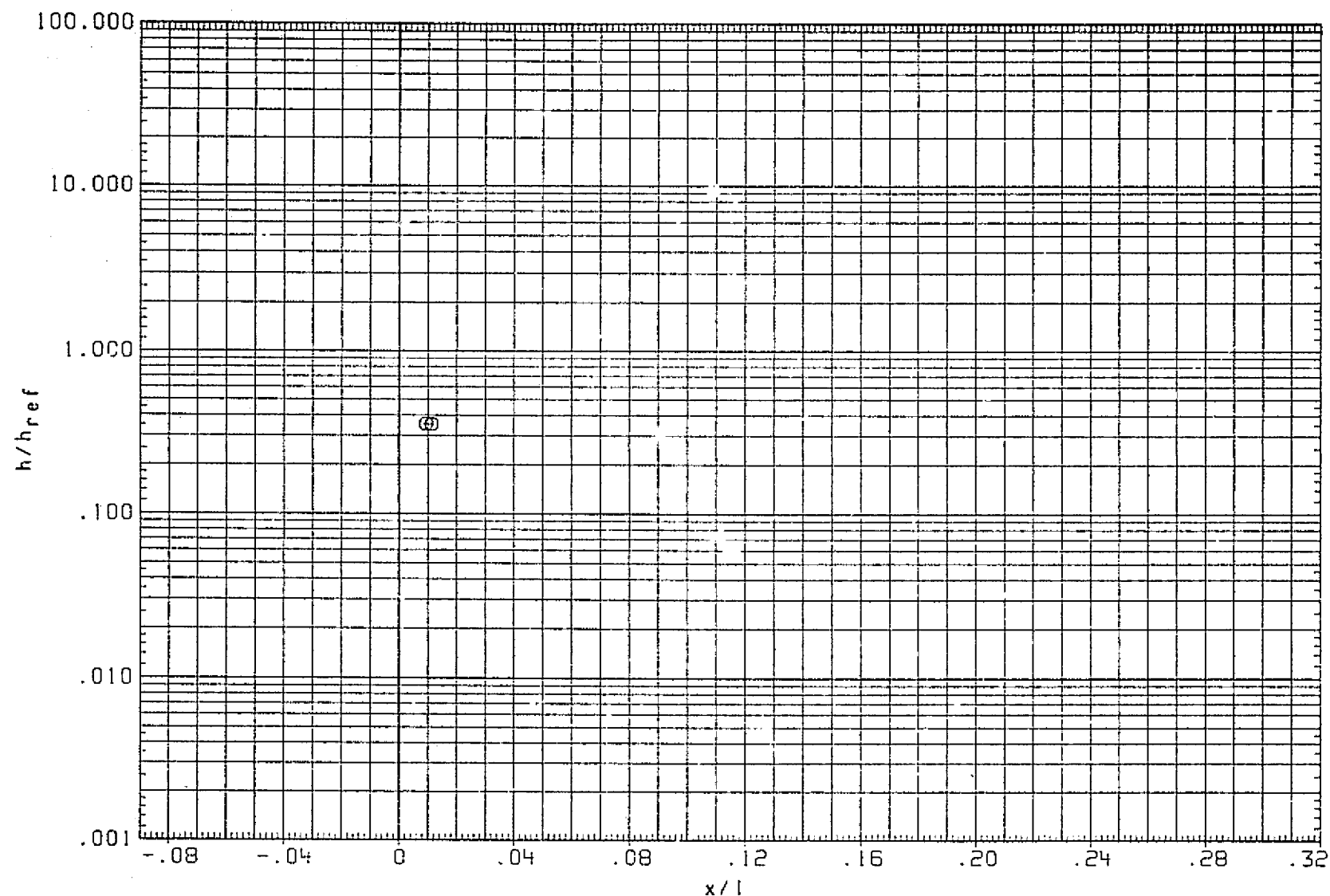


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY  
 MACH = 5.200 HAW/HT = 1.000 THETA = 31.500

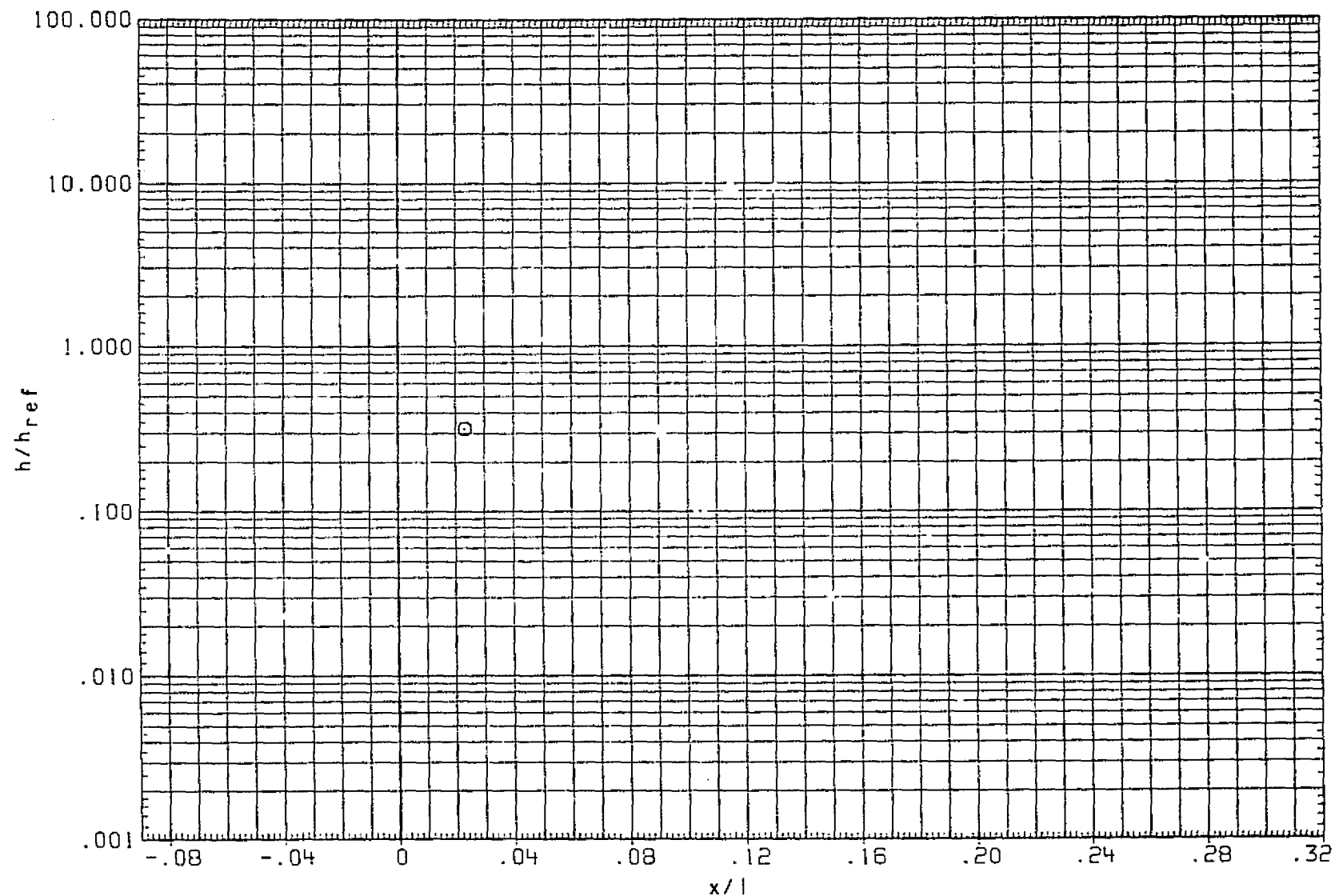


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = 45.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT31) ○	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	1.500

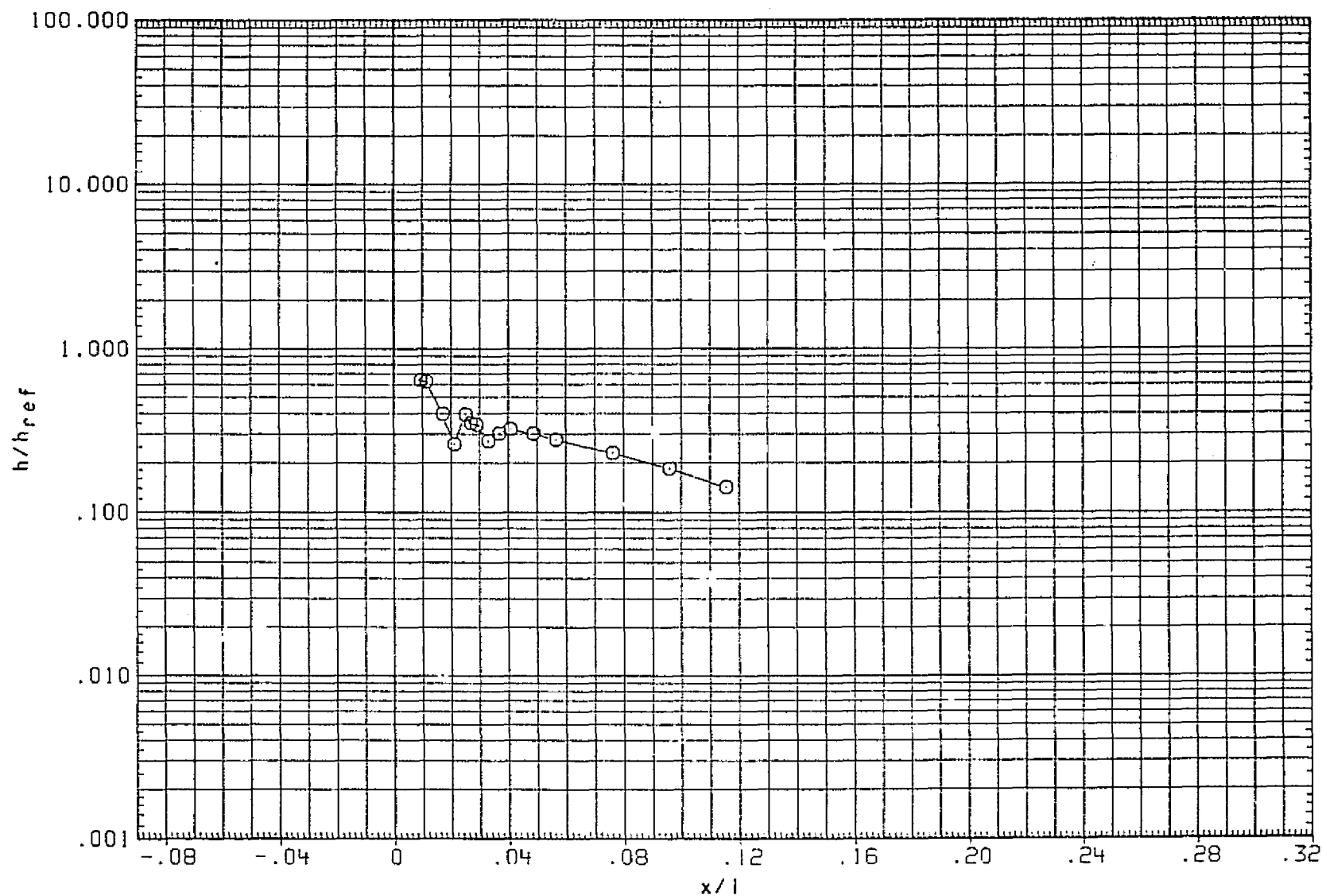


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = 90.000

PAGE 1645



DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

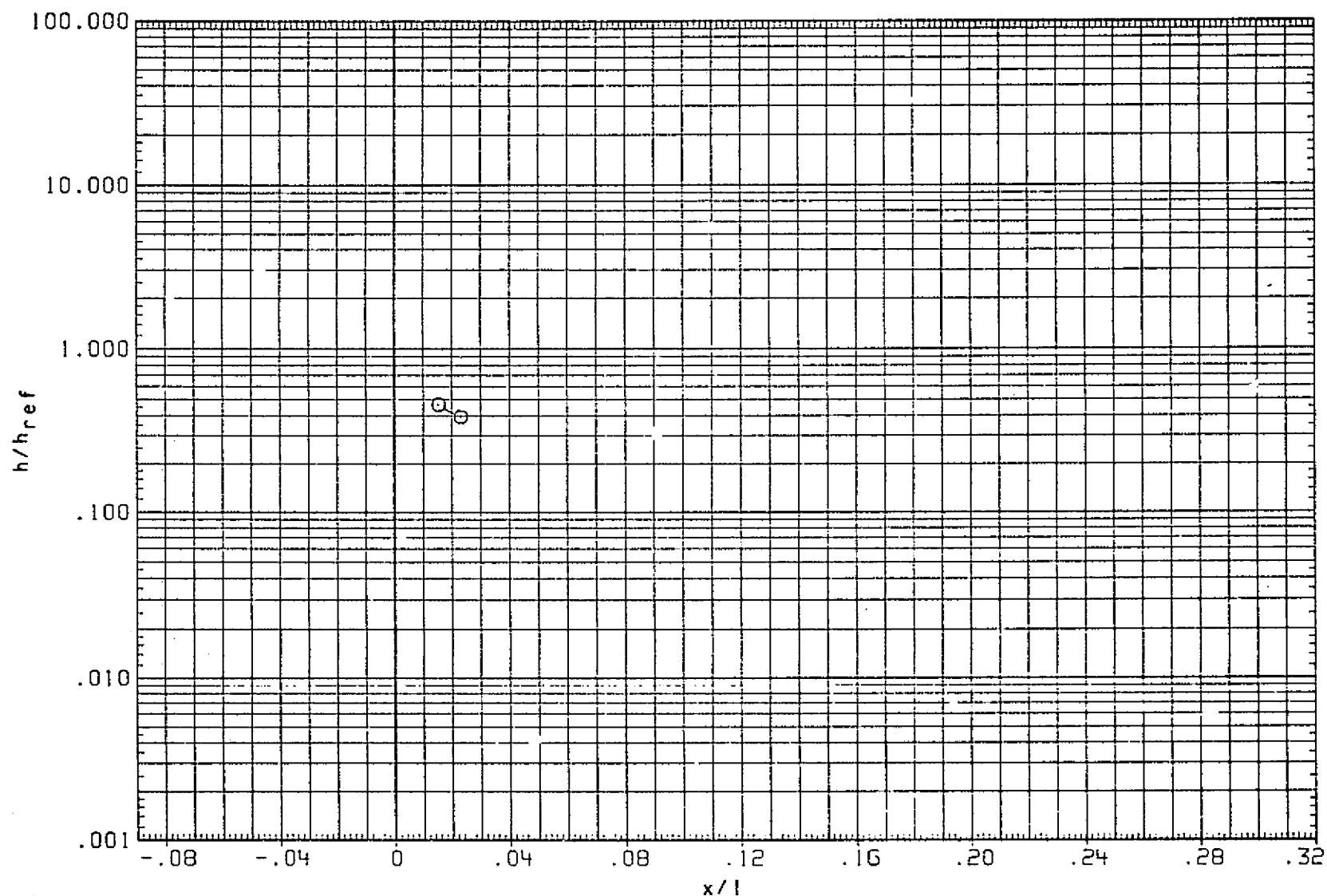


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = 135.000

PAGE 1646

DATA SET SYMBOL CONFIGURATION DESCRIPTION  
 (RNTT31) O ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)

ALPHA BETA RN/L  
 10.000 .000 1.500

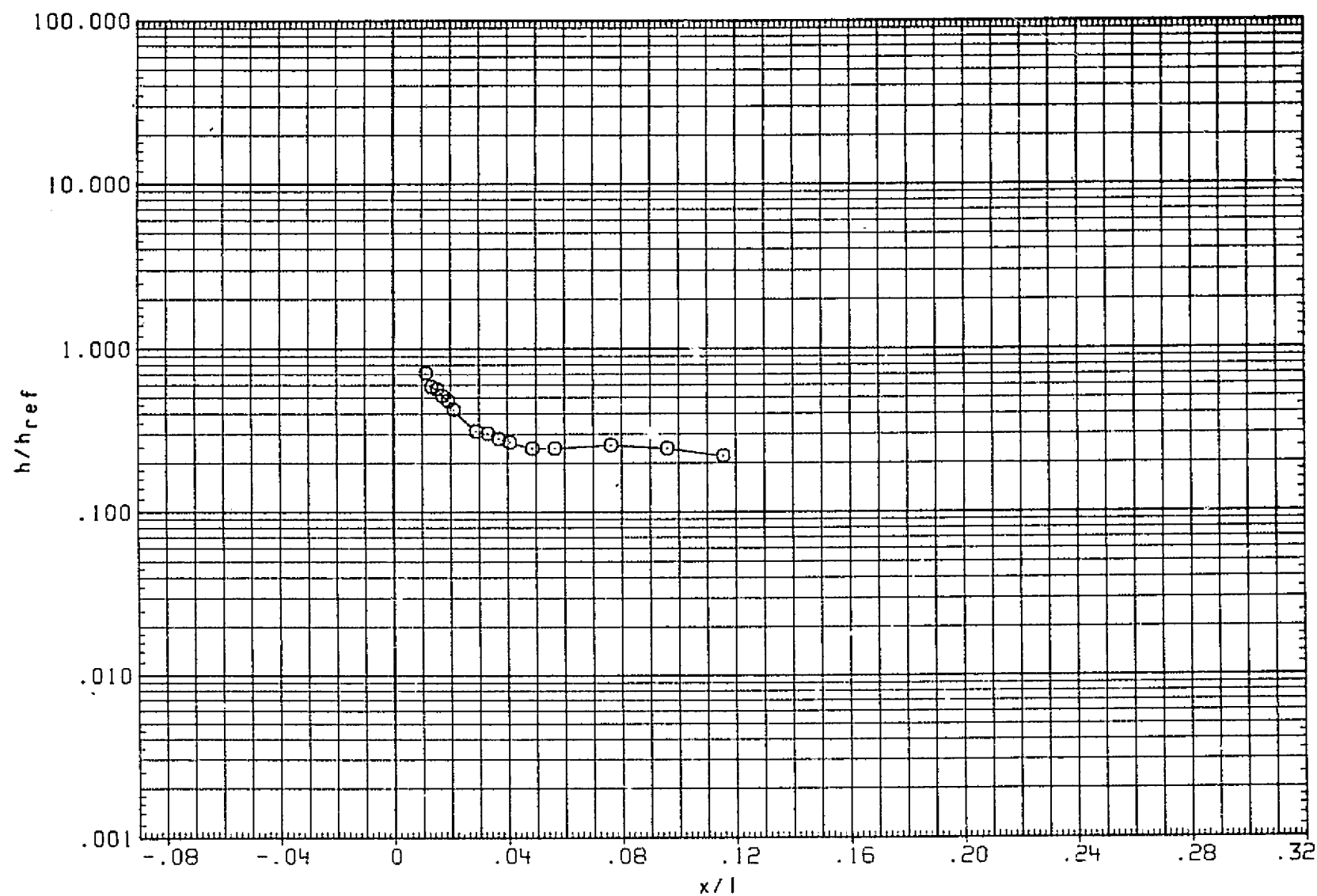


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.200 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

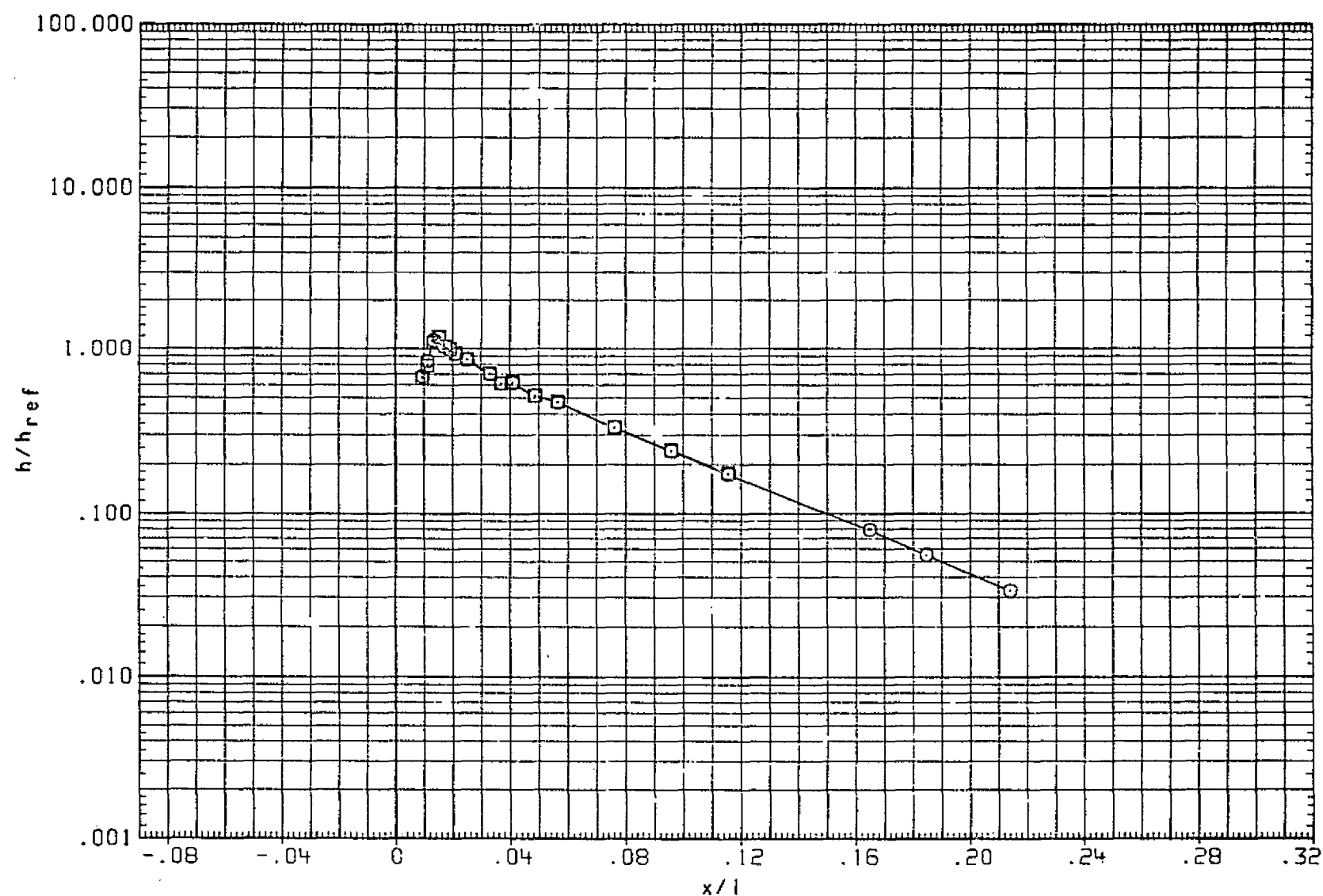


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 000

PAGE 1648

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

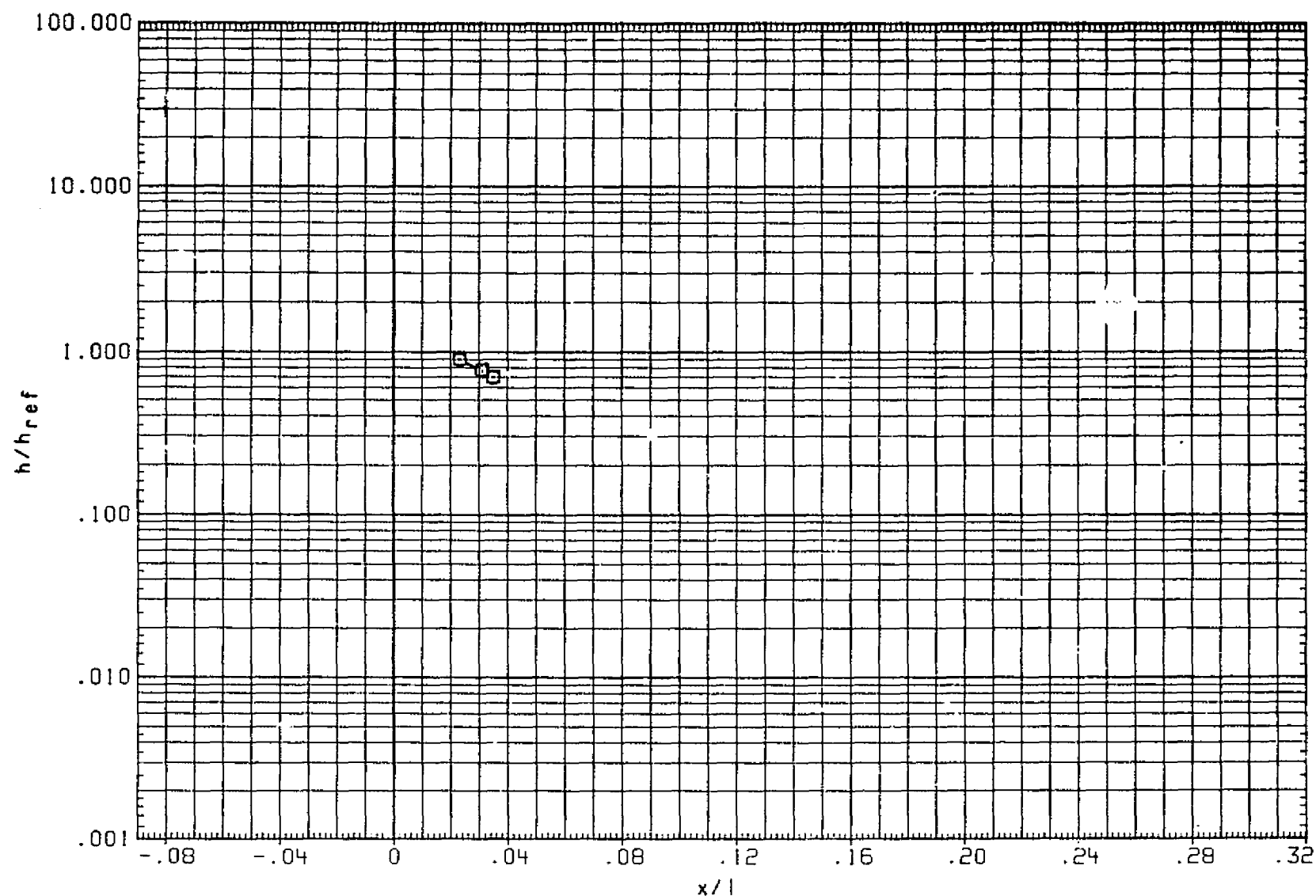


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 10.000

PAGE 1649

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

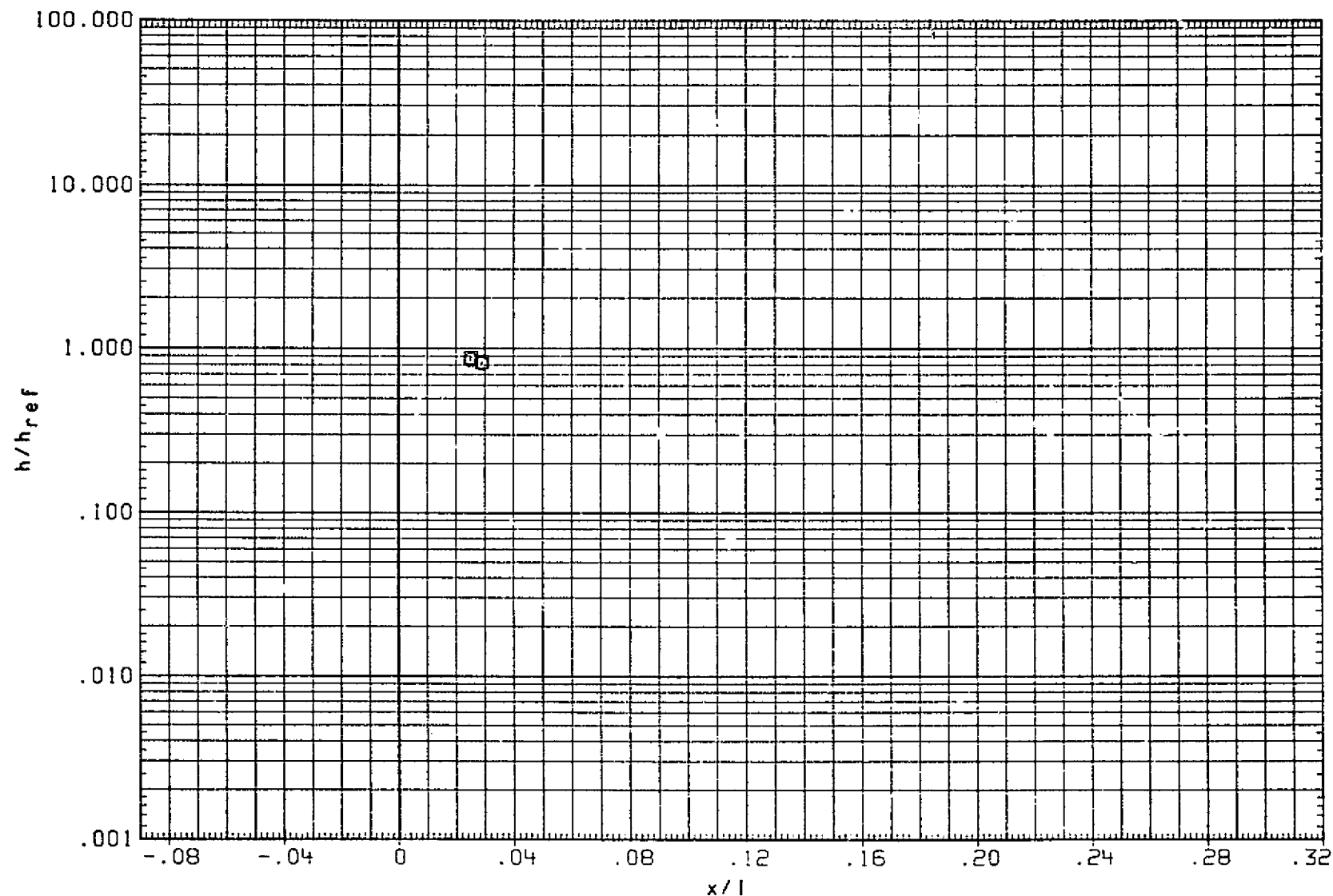


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 20.000

PAGE 1650

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

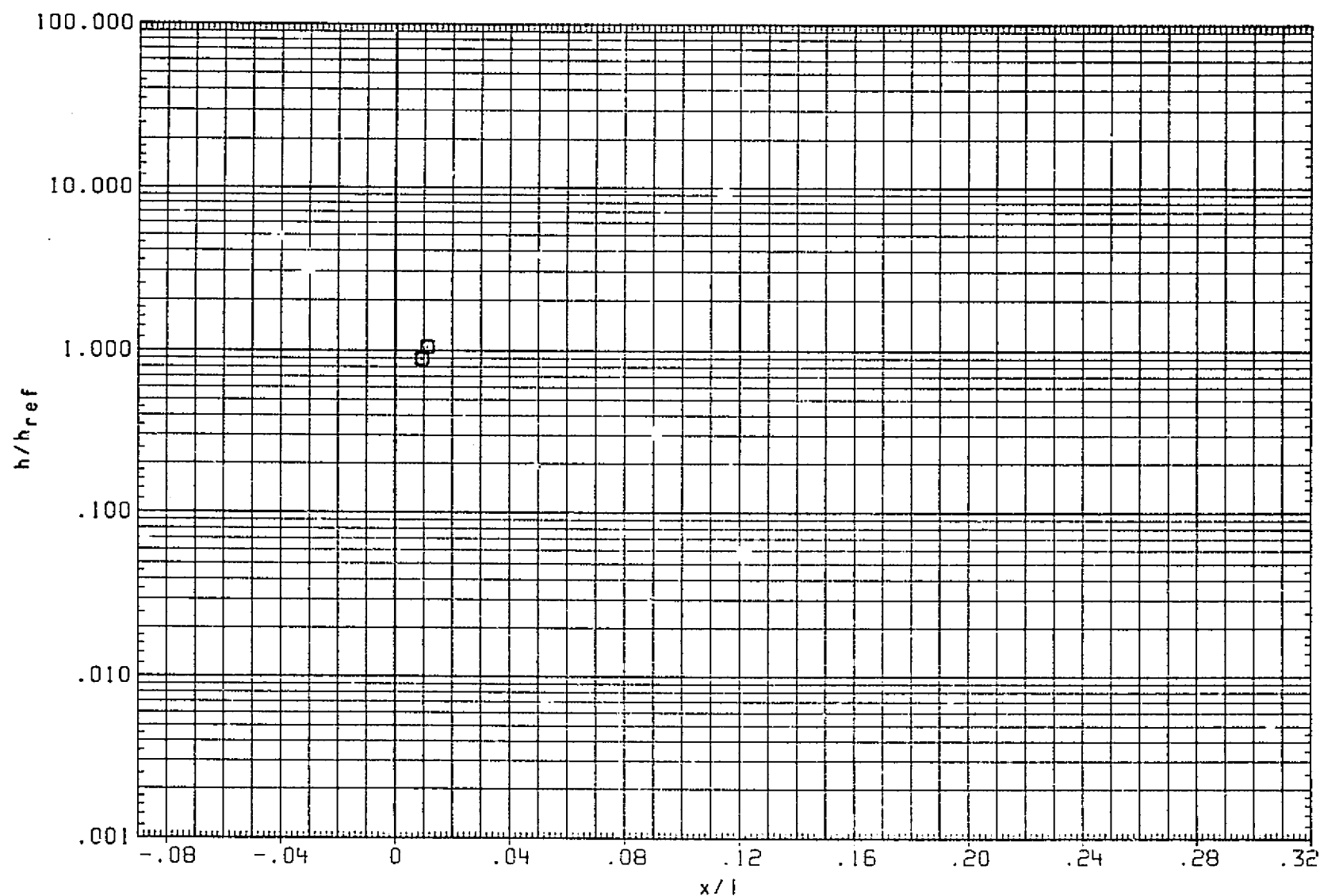


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 31.500

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

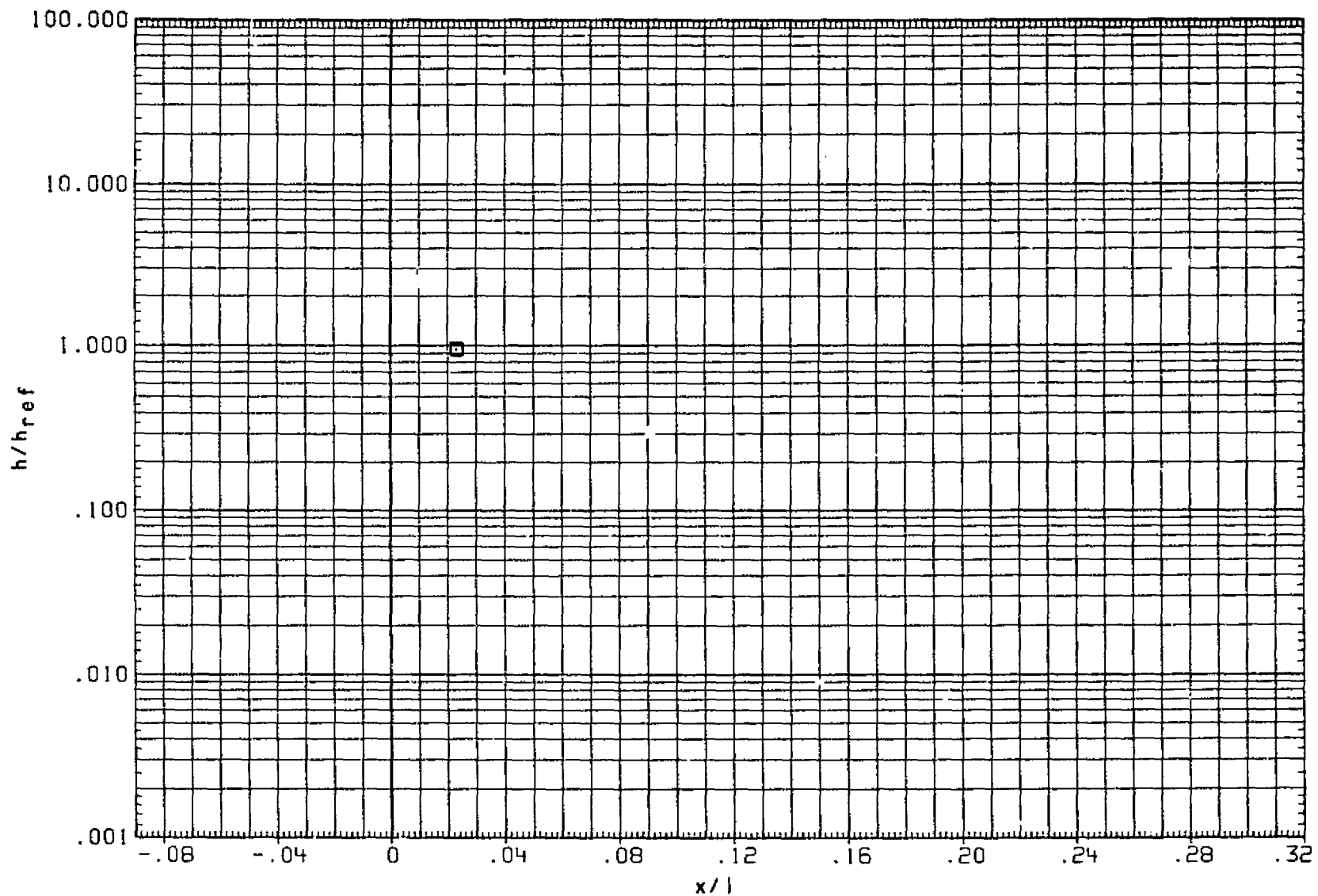


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 45.000

PAGE 1652

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

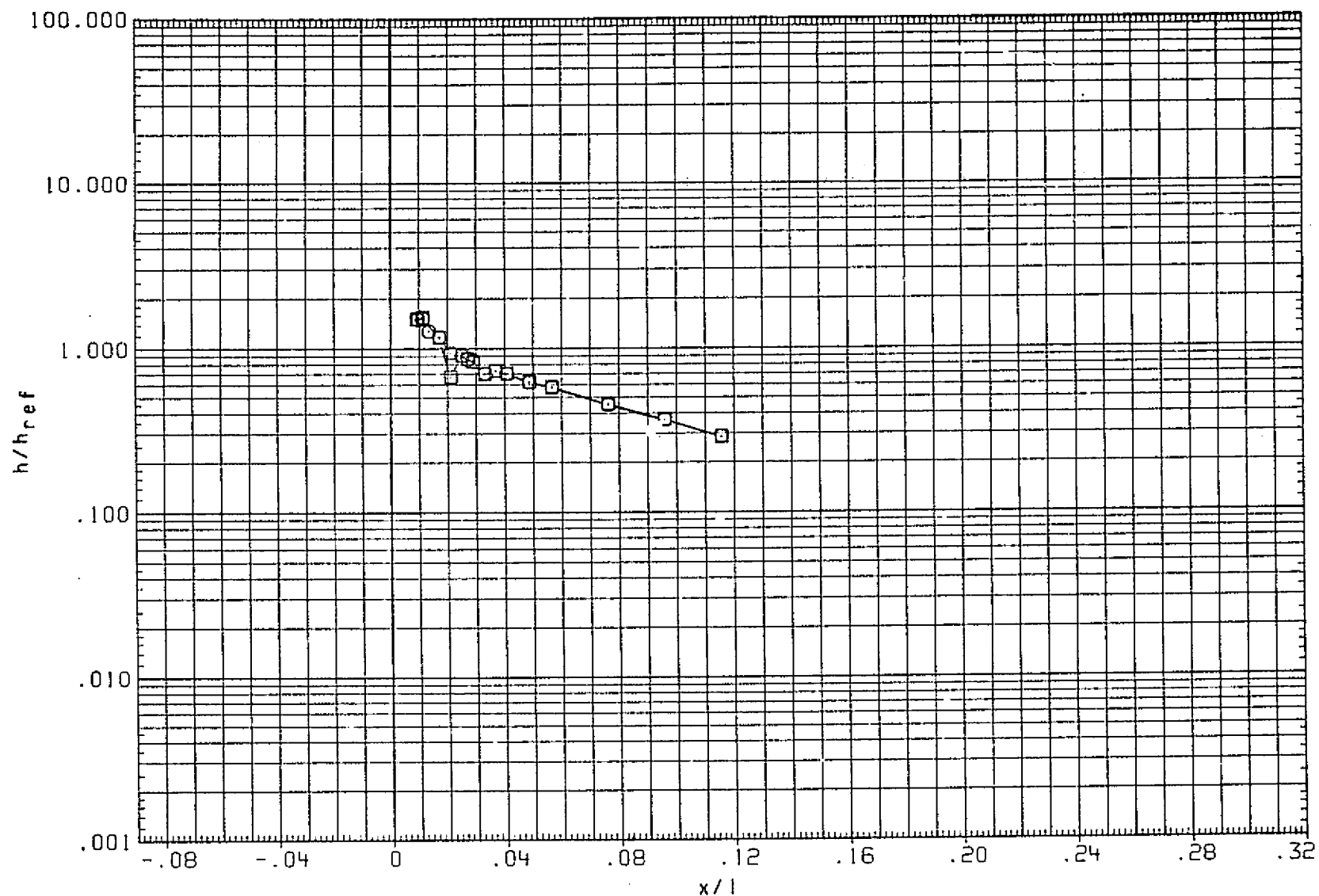


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 90.000

PAGE 1653



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

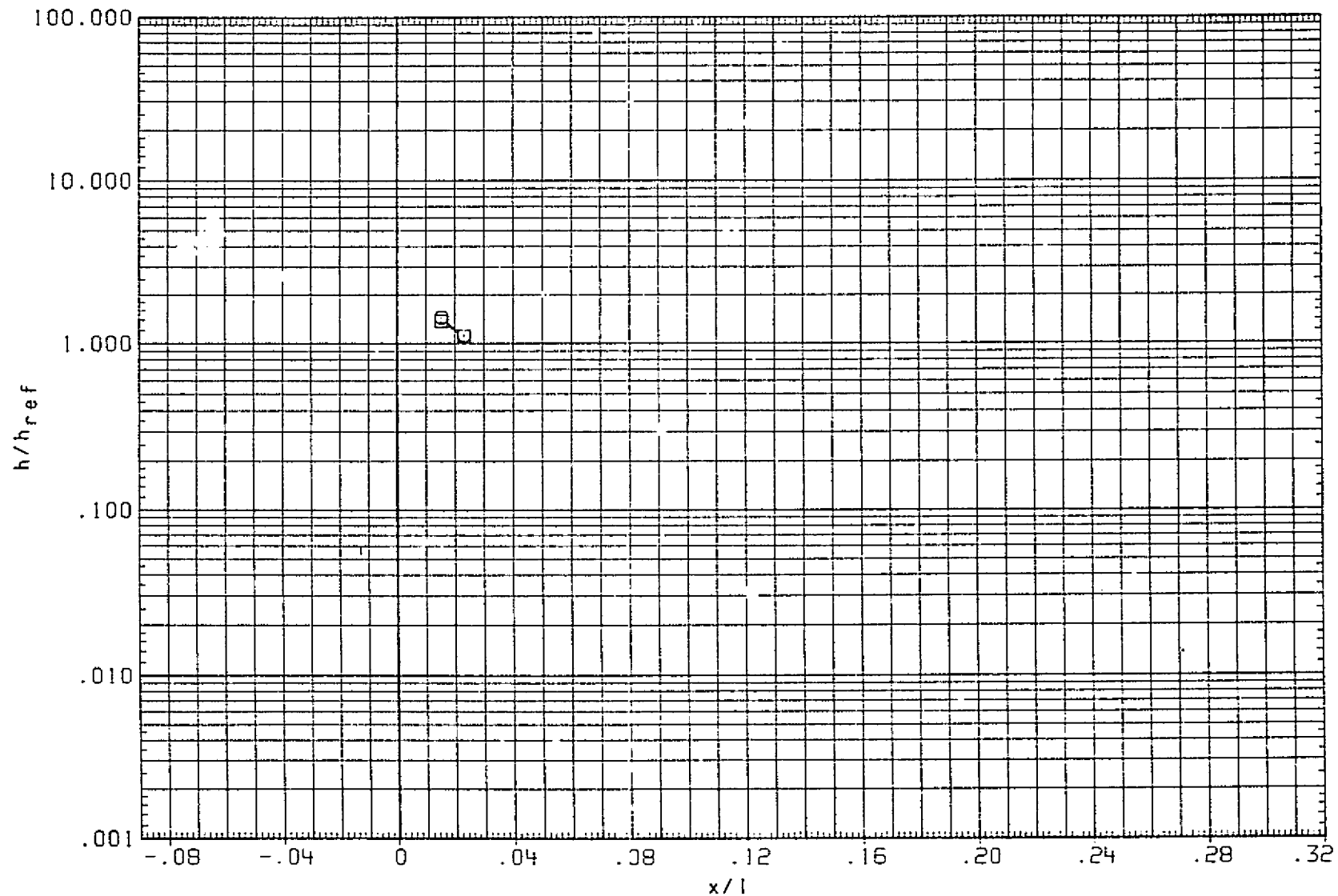


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 135.000

PAGE 1654

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

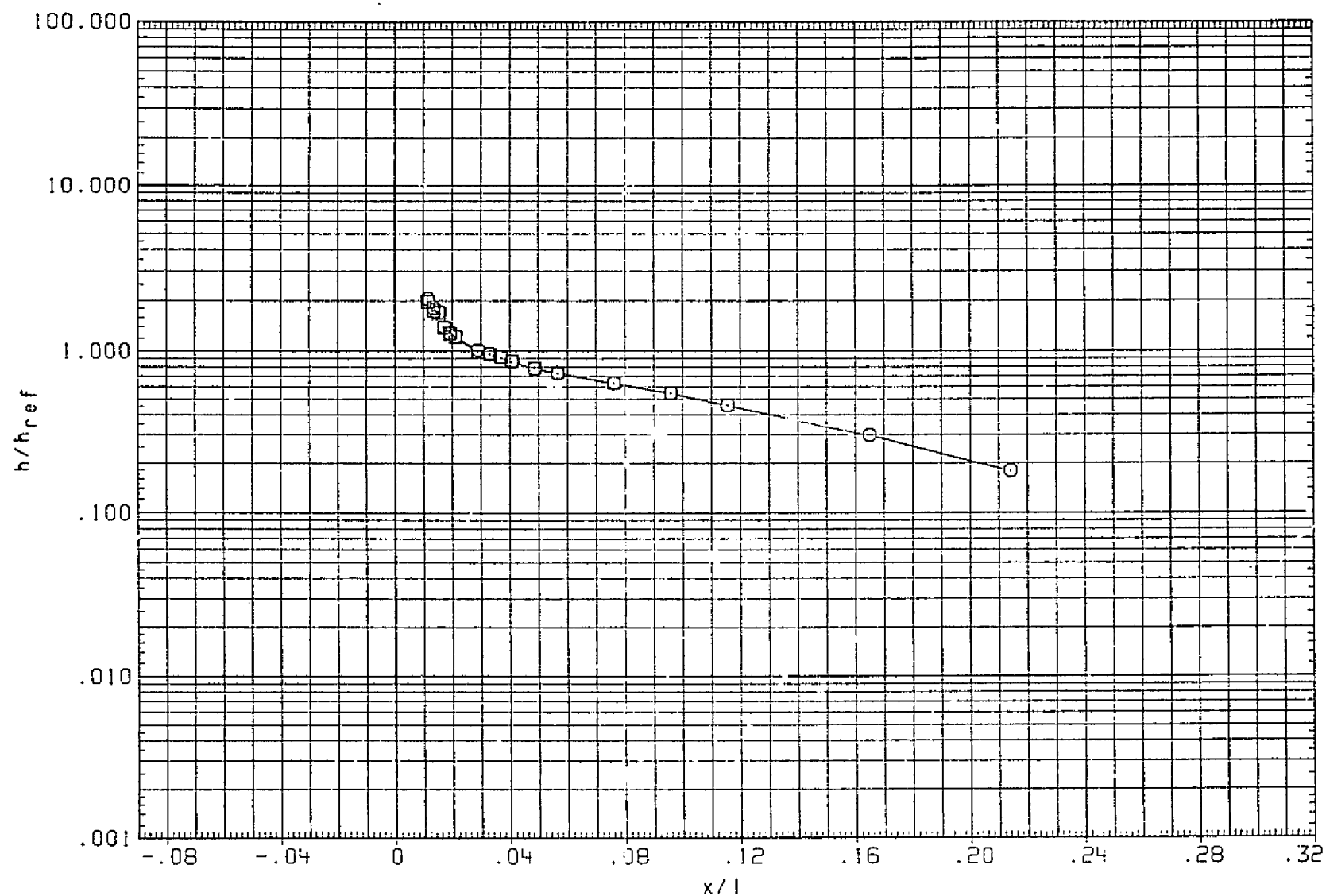


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 180.000

PAGE 1655

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	DATA NOT AVAILABLE	10.000	.000	5.000

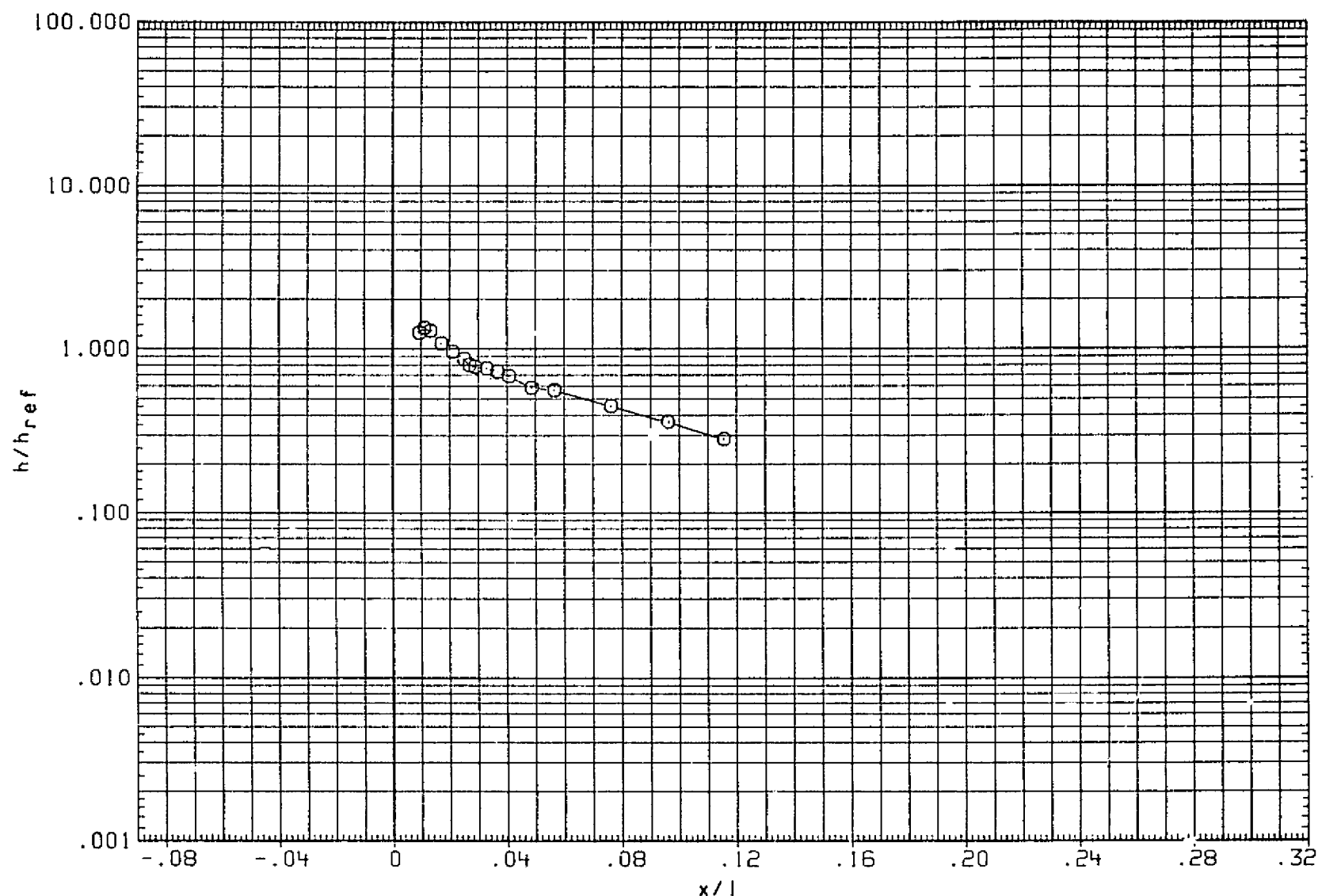


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 270.000

PAGE 1656

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(RNTT32)	□	DATA NOT AVAILABLE

ALPHA	BETA	RN/L
10.000	.000	5.000
10.000	.000	5.000

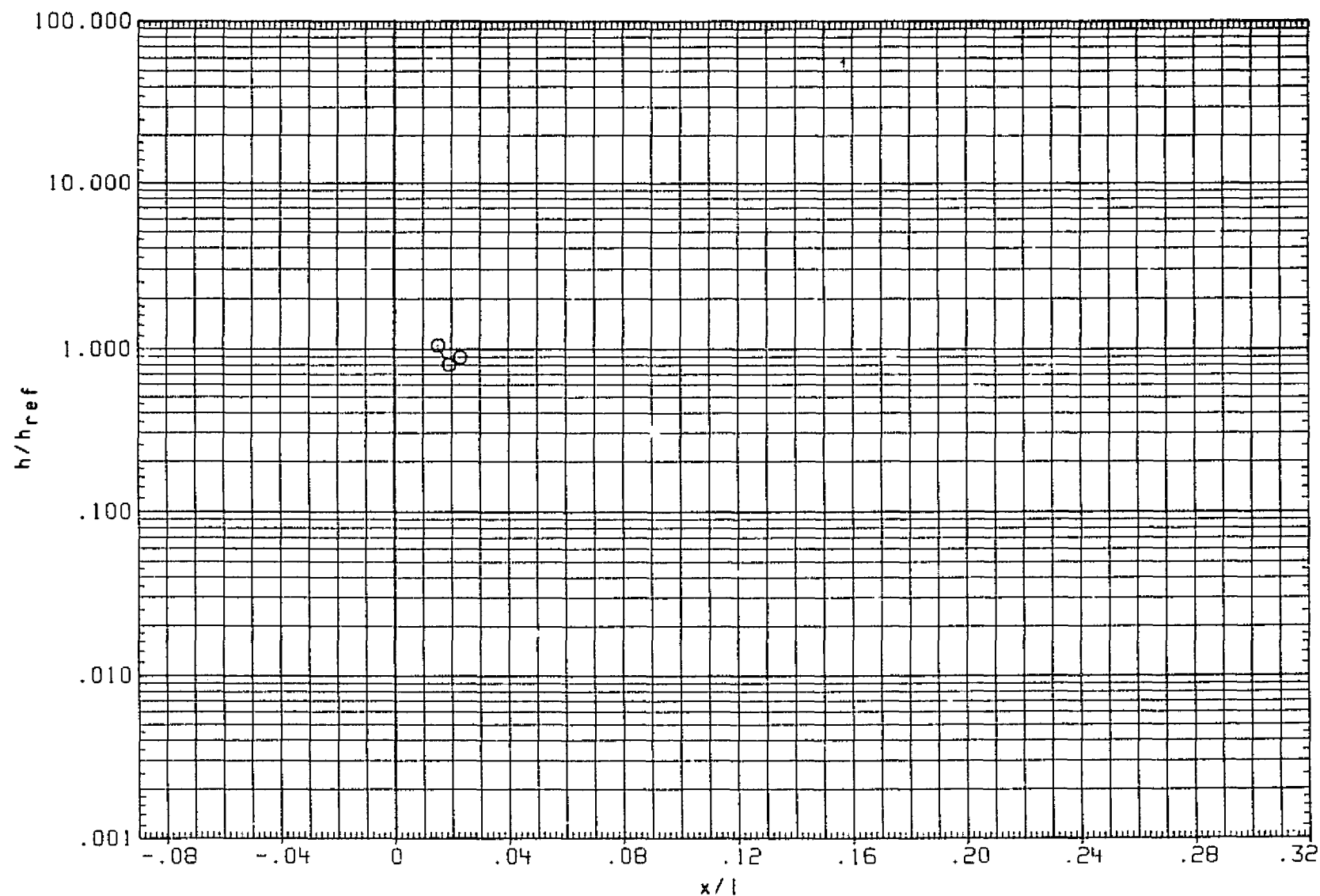


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .850 THETA = 315.000

PAGE 1657

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
IRNTT22	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
IRNTT32	□	ARC3.5-215(FH14)110/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

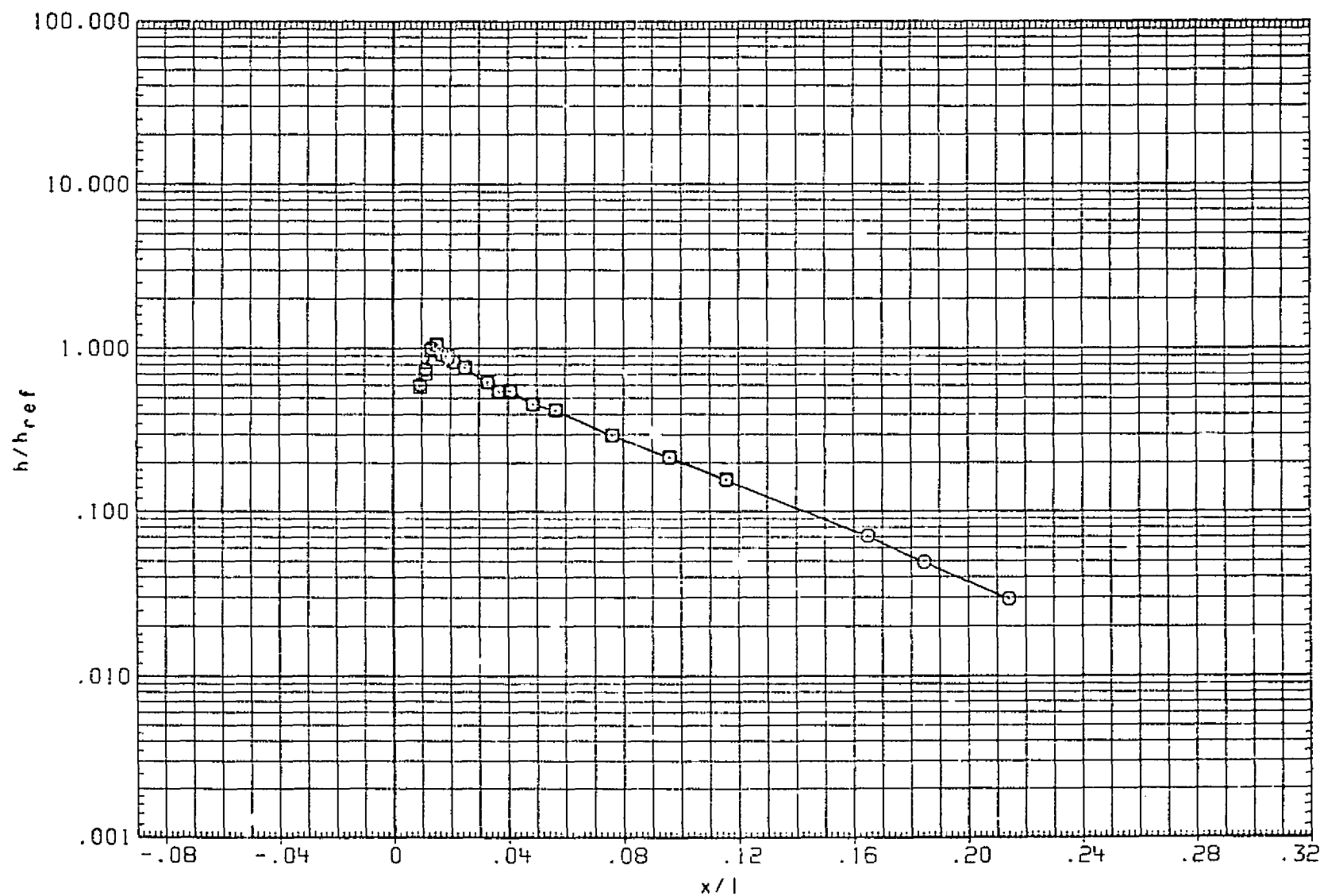


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY  
MACH = 5.300 HAW/HT = .900 THETA = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

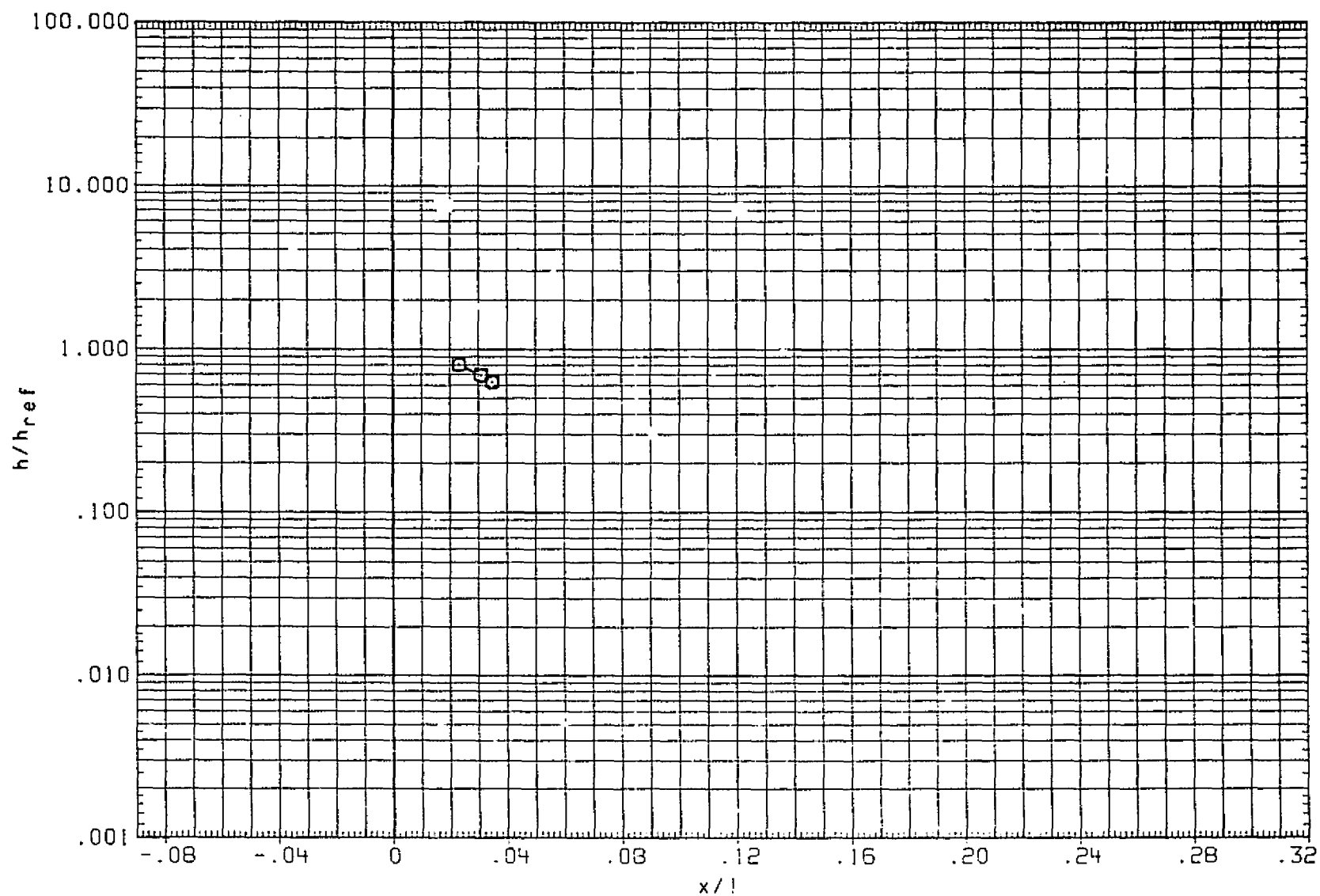


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 10.000

PAGE 1659

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

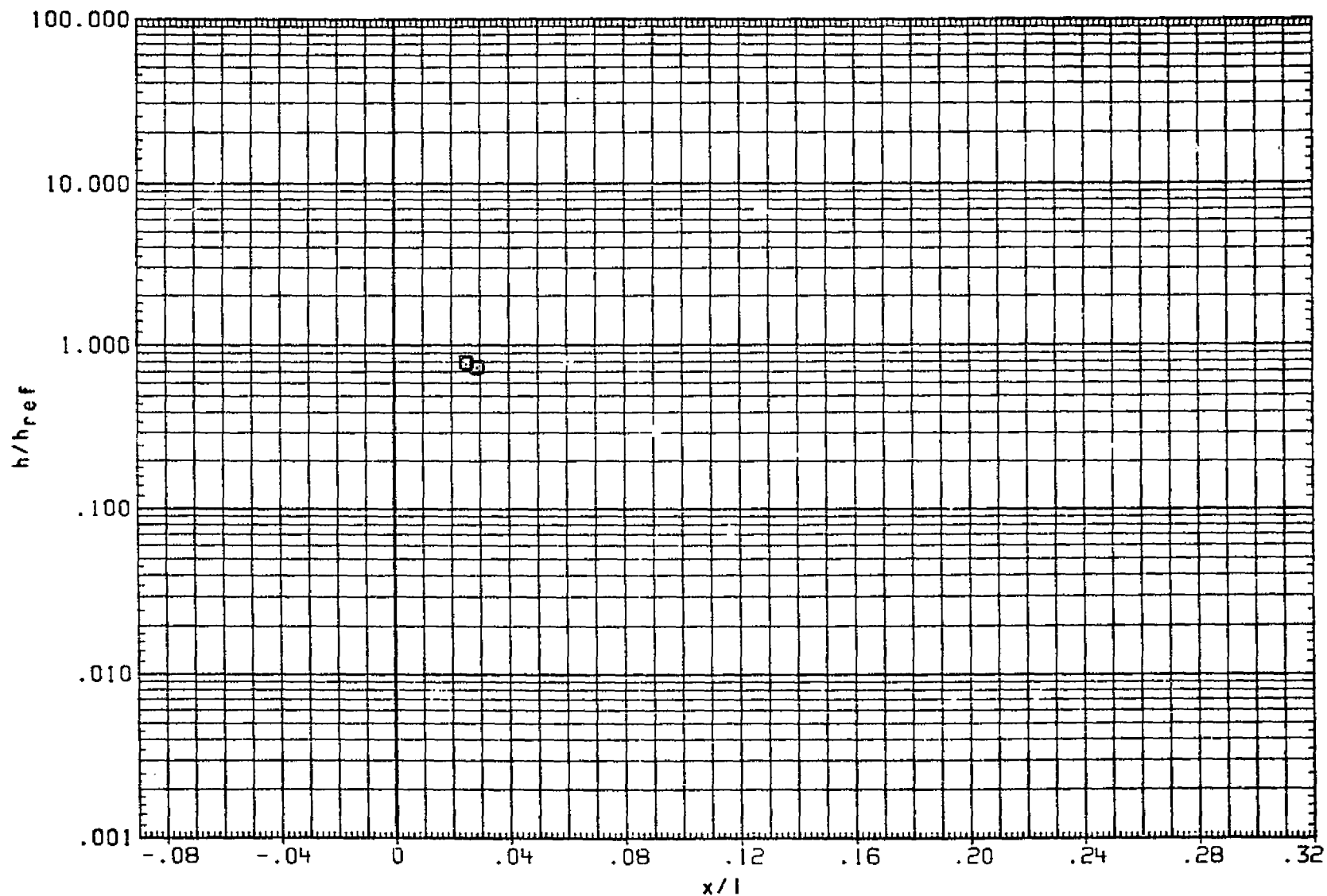


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 20.000

PAGE 1660

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

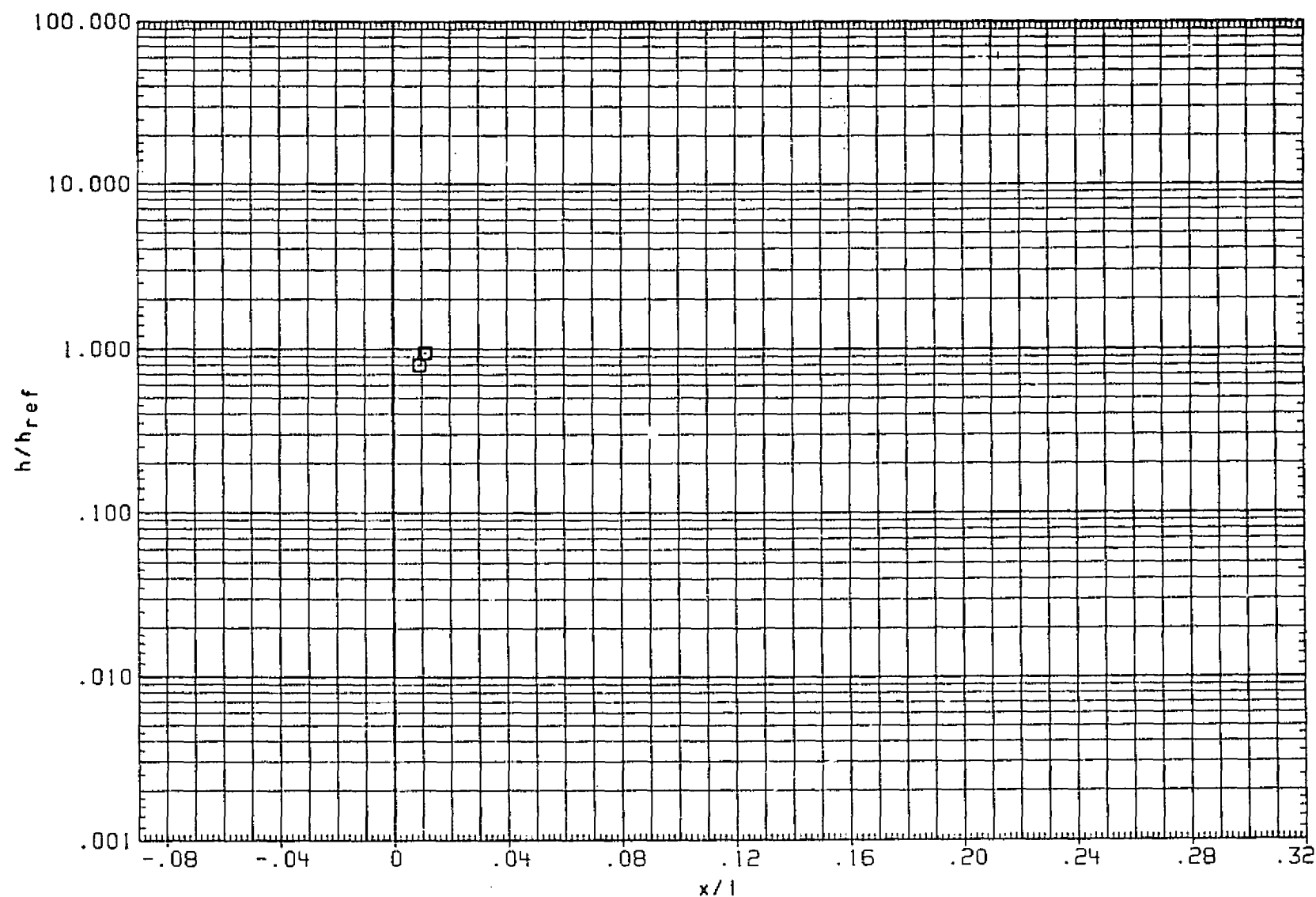


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 31.500

PAGE 1661



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	M/N/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

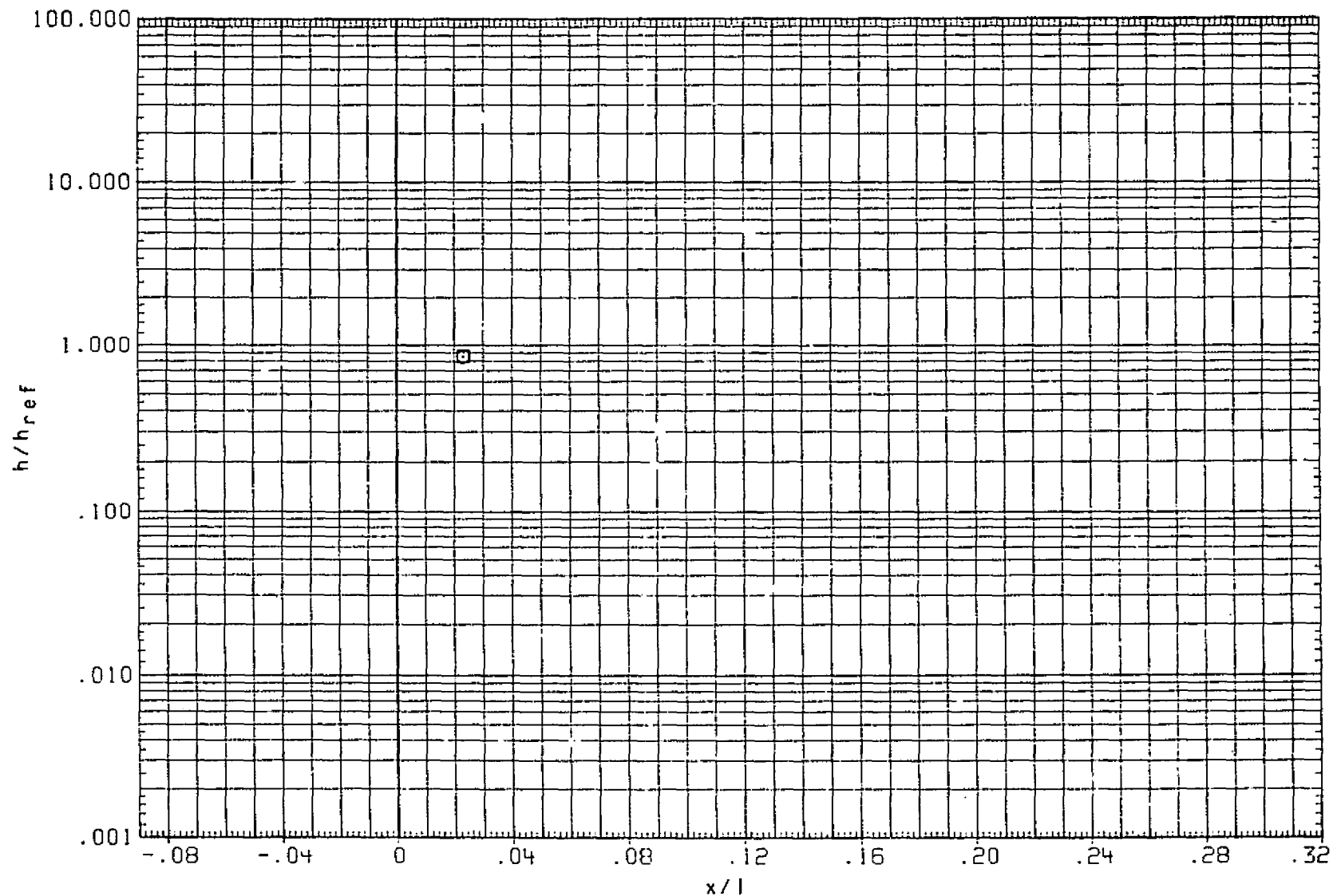


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 45.000

PAGE 1662

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FHI4)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FHI4)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

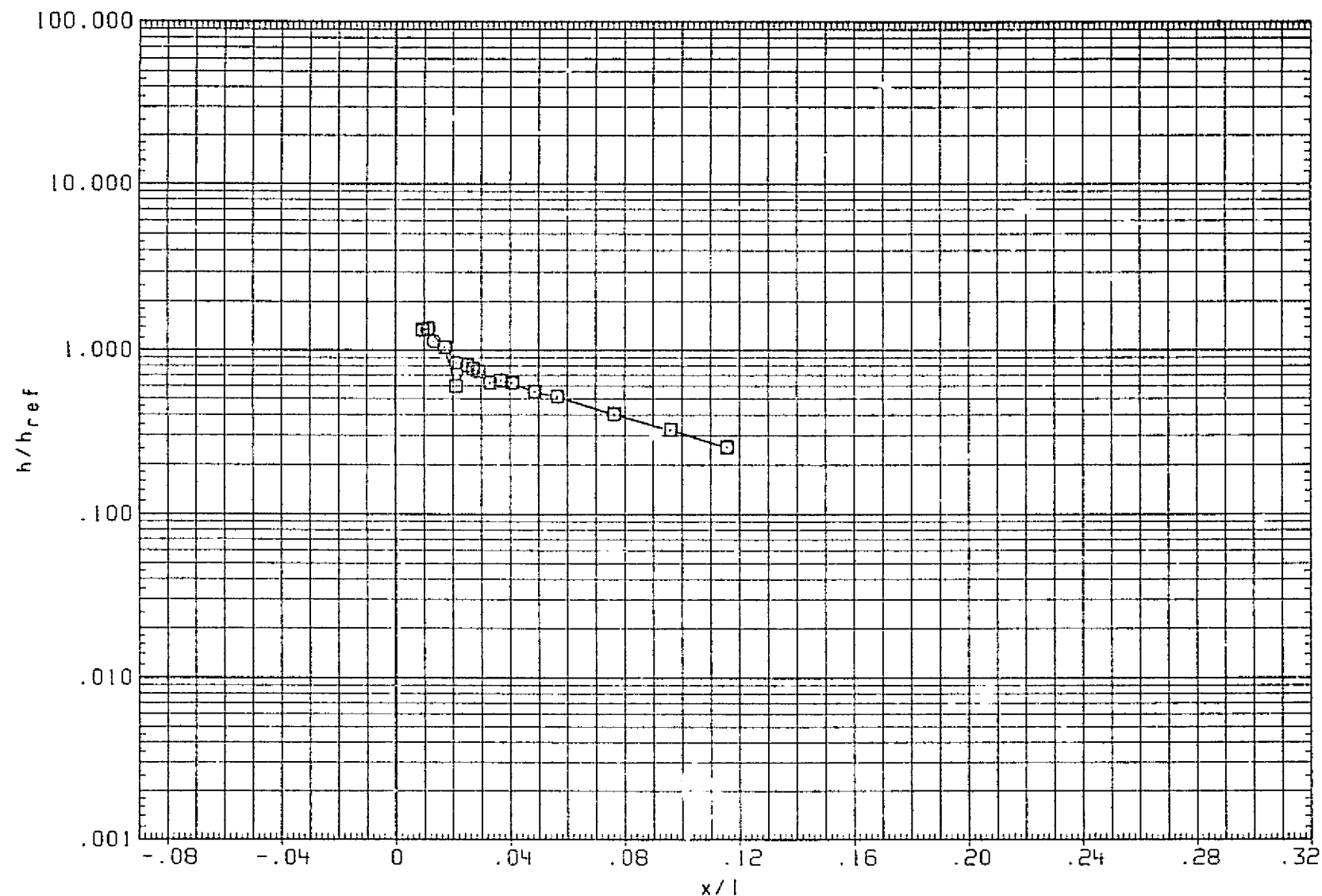


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 90.000

PAGE 1663

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH:4110/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH:4110/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

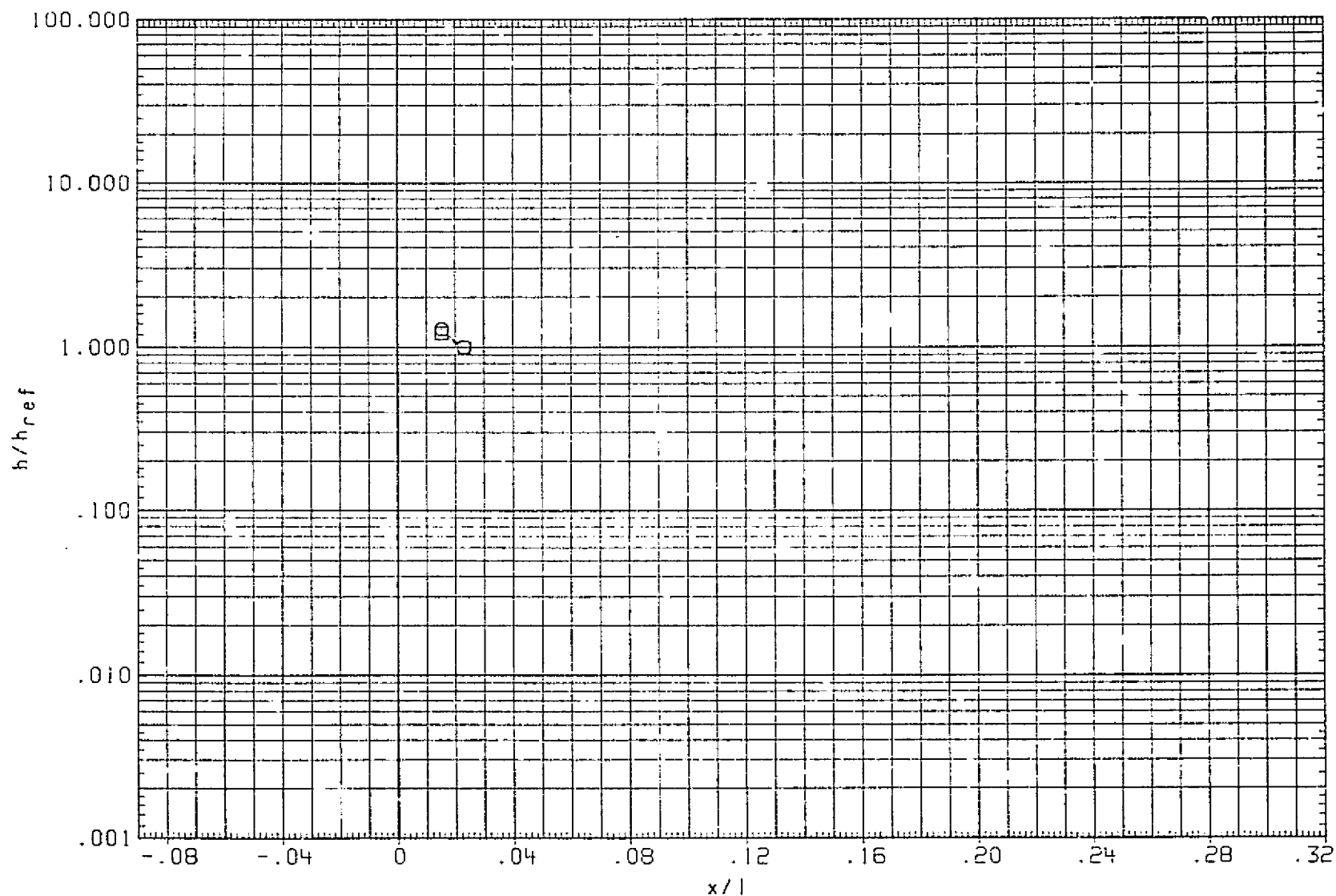


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 135.000

PAGE 1664

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

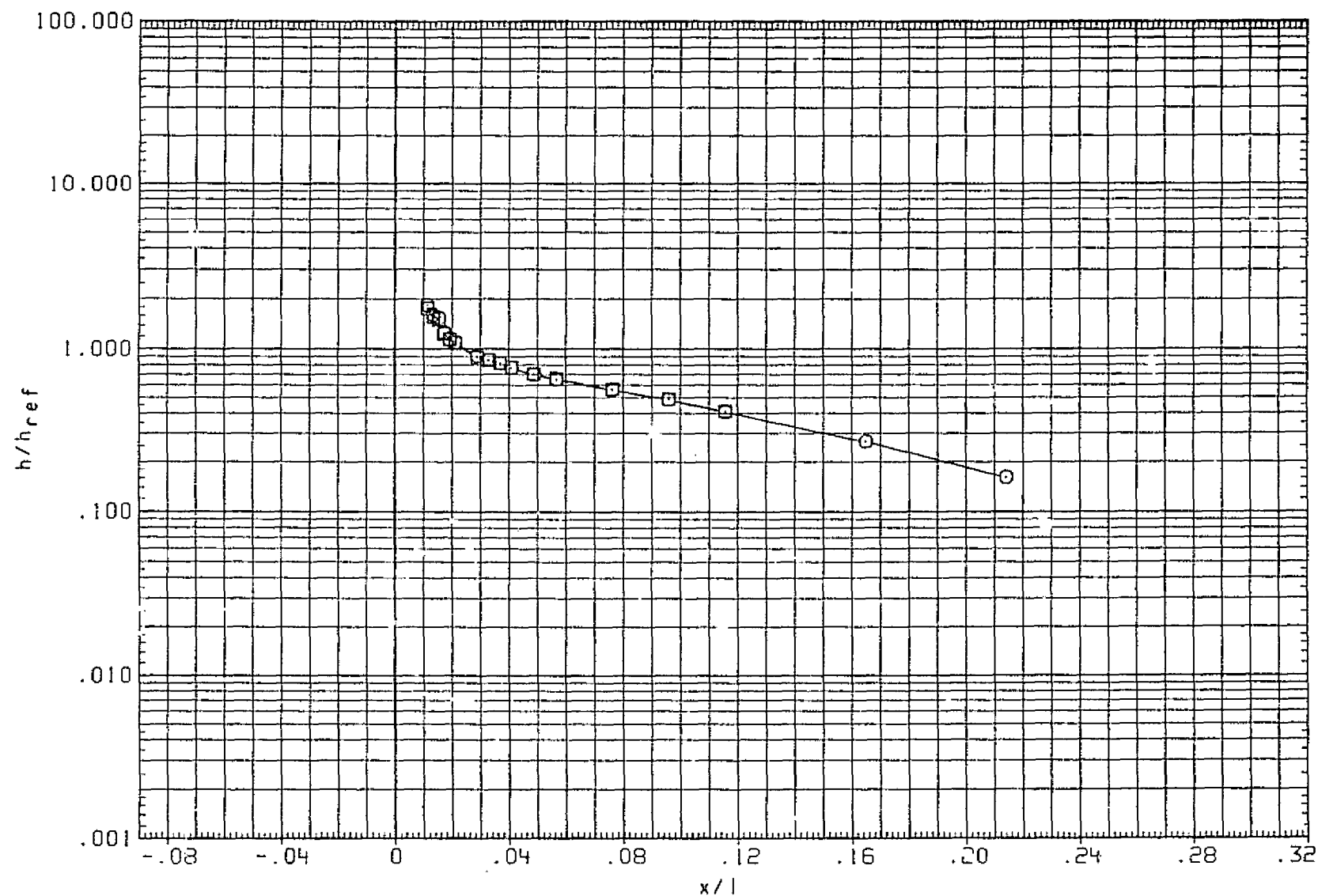


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 180.000

PAGE 1665

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(RNTT32)	□	DATA NOT AVAILABLE

ALPHA	BETA	RN/L
10.000	.000	5.000
10.000	.000	5.000

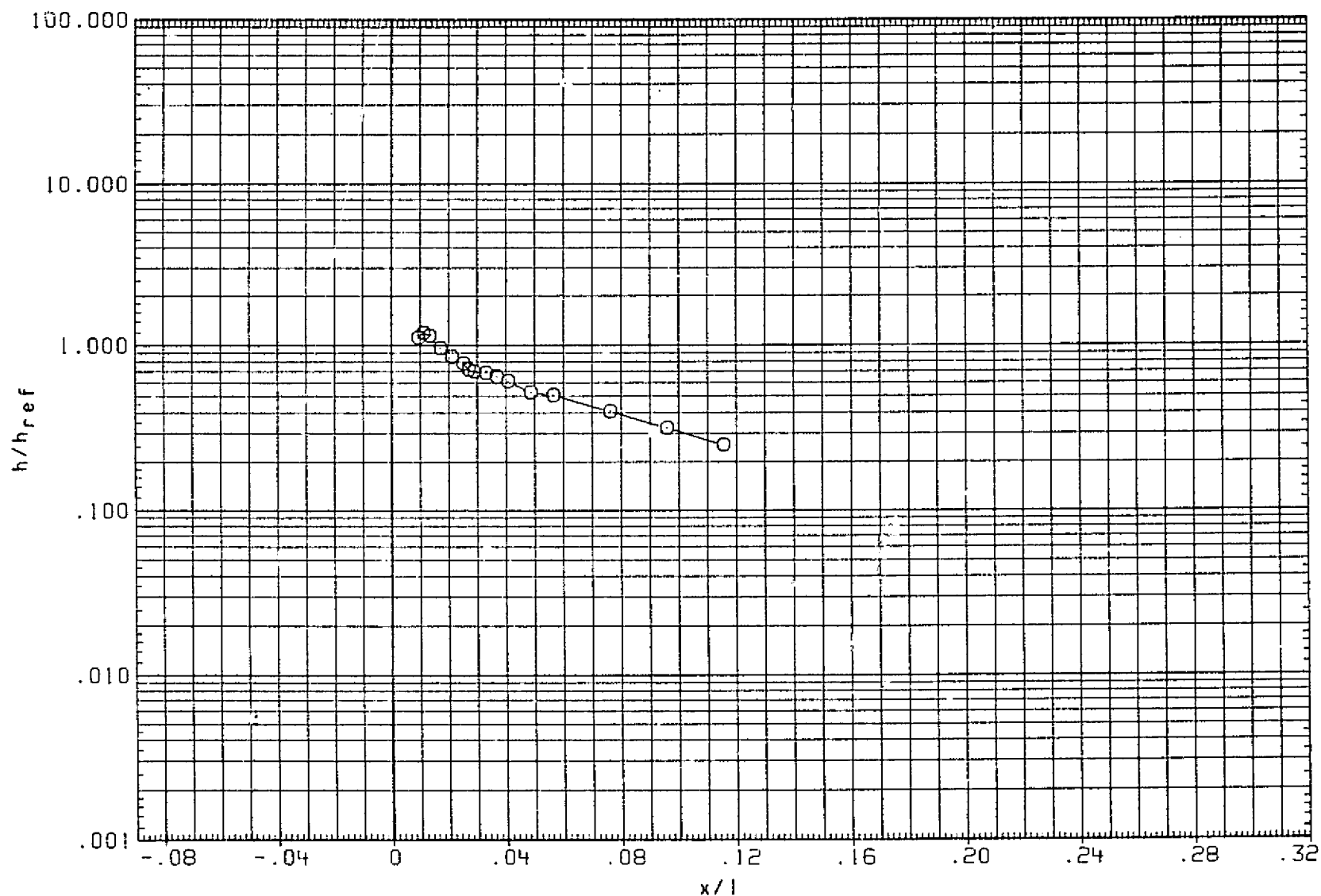


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA 270.000

PAGE 1666

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT22)	○	ARC3.5-215(FH:4)10/40 CONE/OGIVE ET NOSE (CLEAN)
(RNTT32)	□	DATA NOT AVAILABLE

ALPHA	BETA	REYNOLDS
10.000	.000	5.000
10.000	.000	5.000

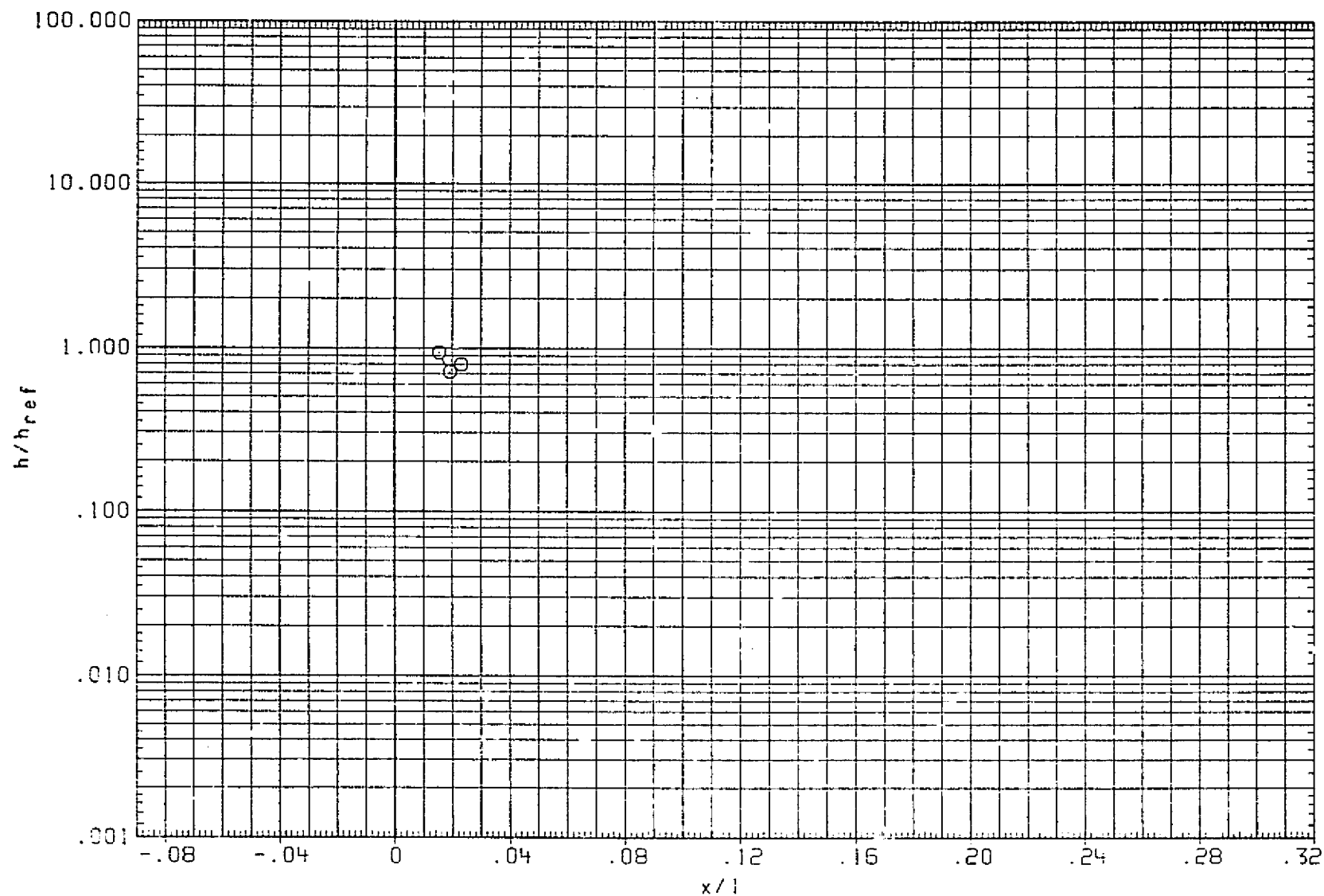


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = .900 THETA = 315.000

PAGE 1667

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.600	5.000

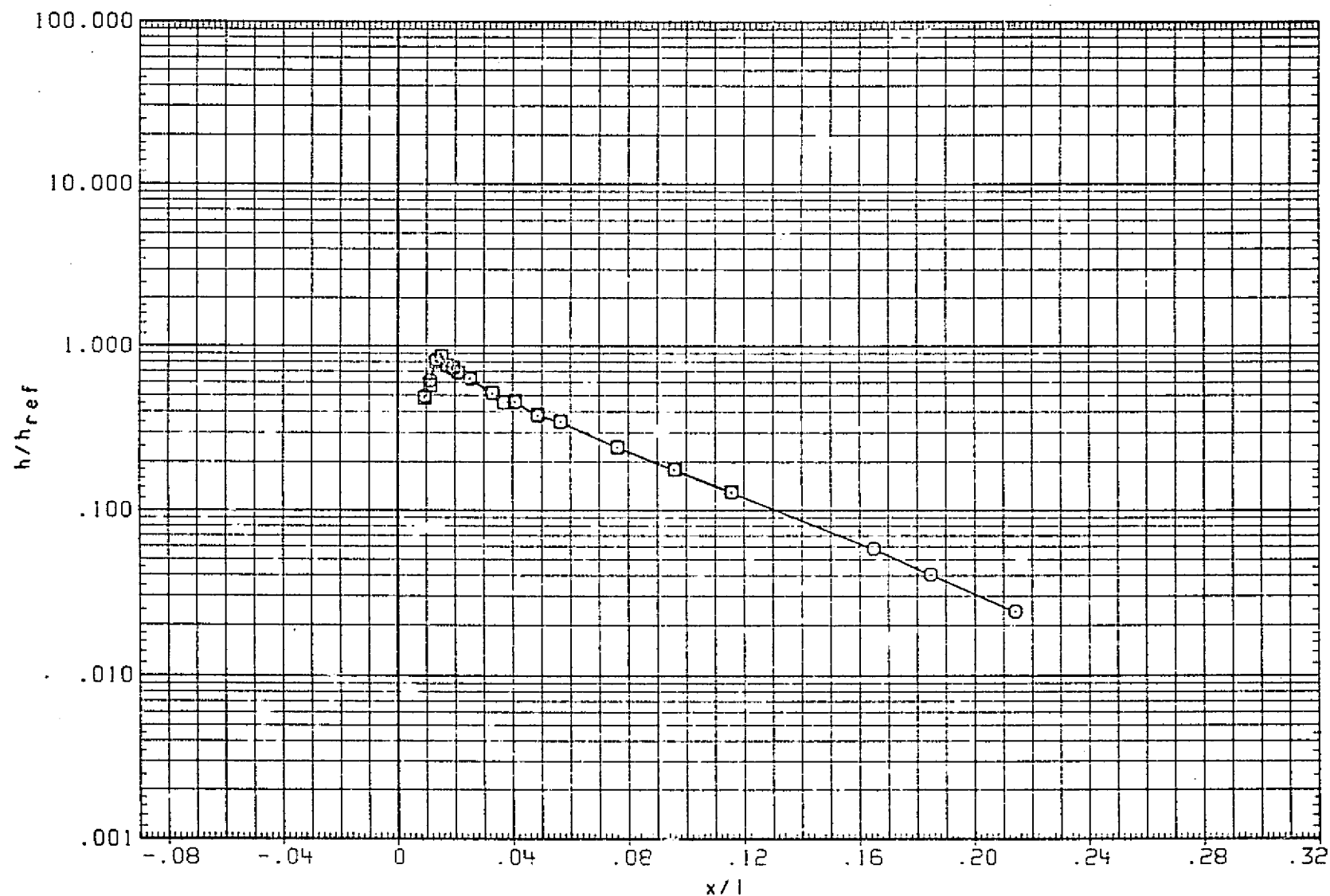


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = .000

PAGE 1668

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

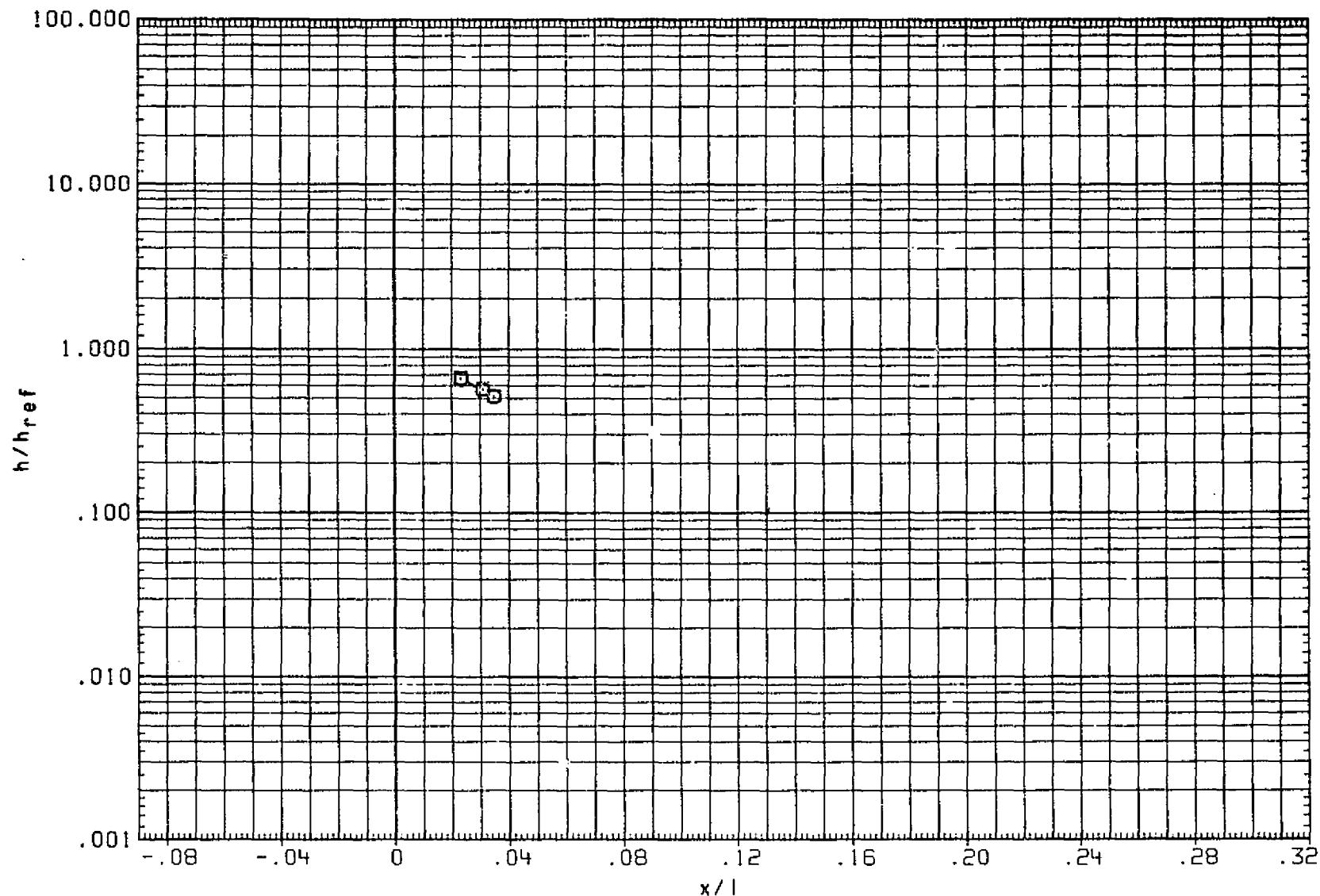


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 10.000

PAGE 1669



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)110/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)110/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

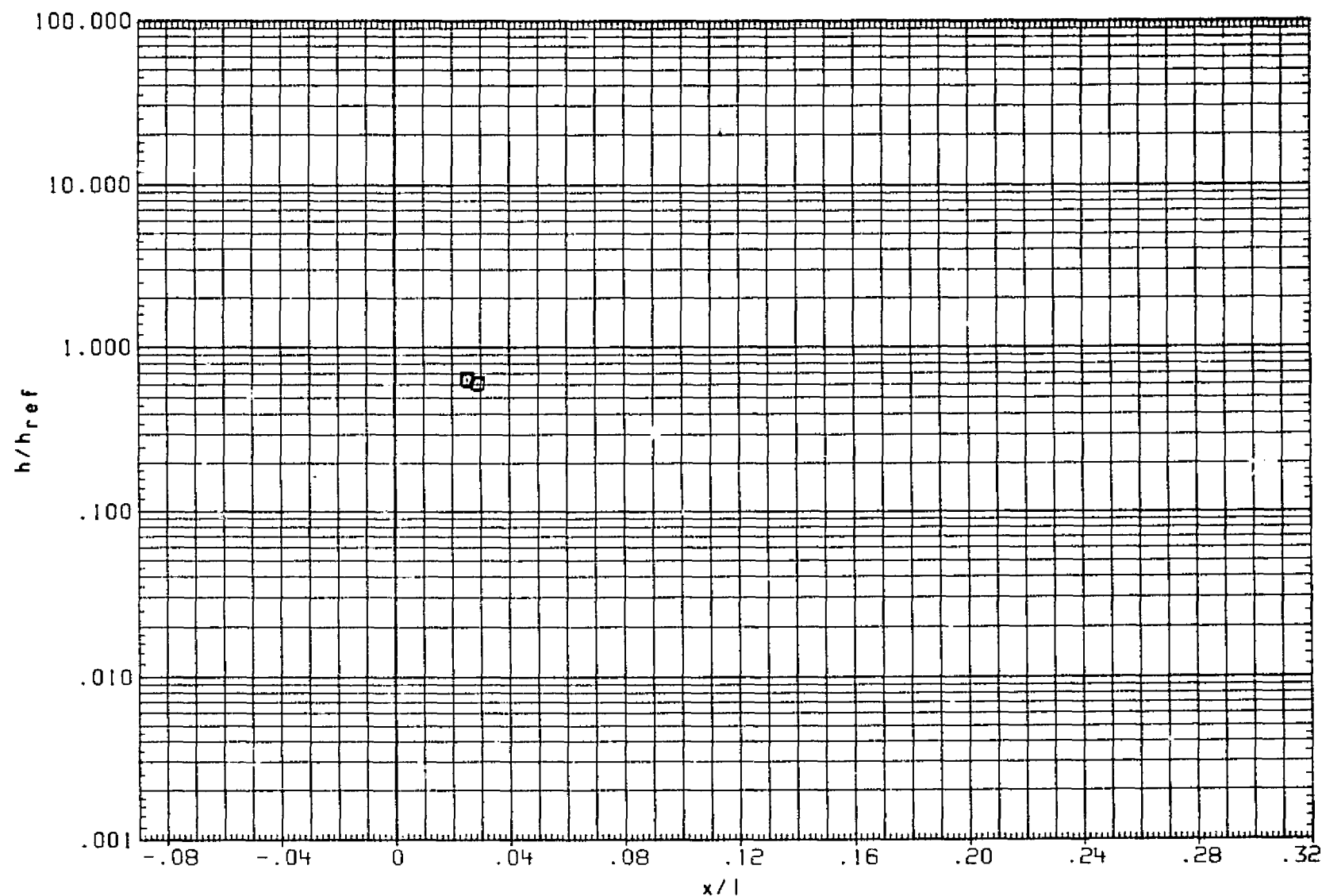


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 20.000

PAGE 1670

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

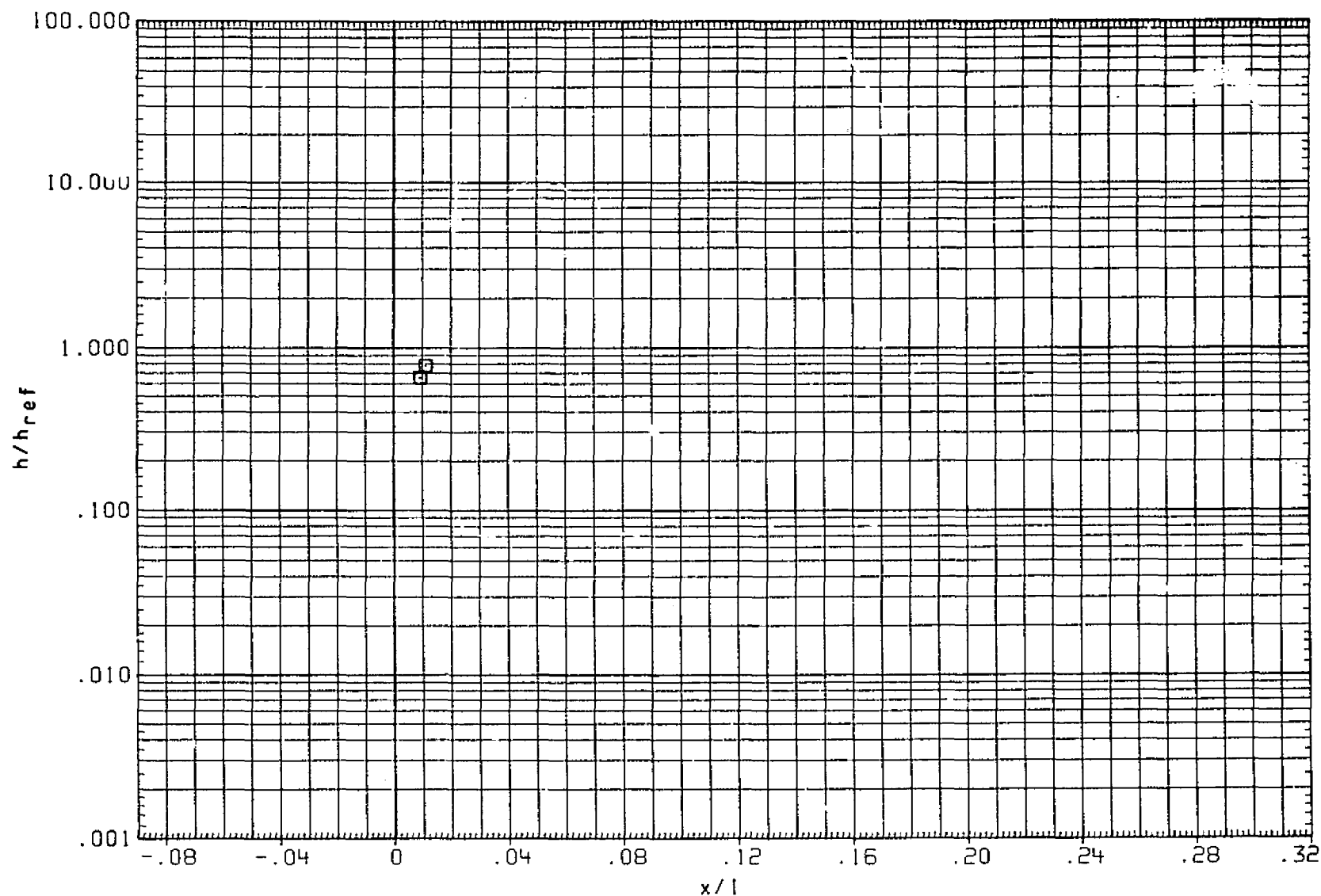


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 31.500

PAGE 1671

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY(CLEAN)	10.000	.000	5.000

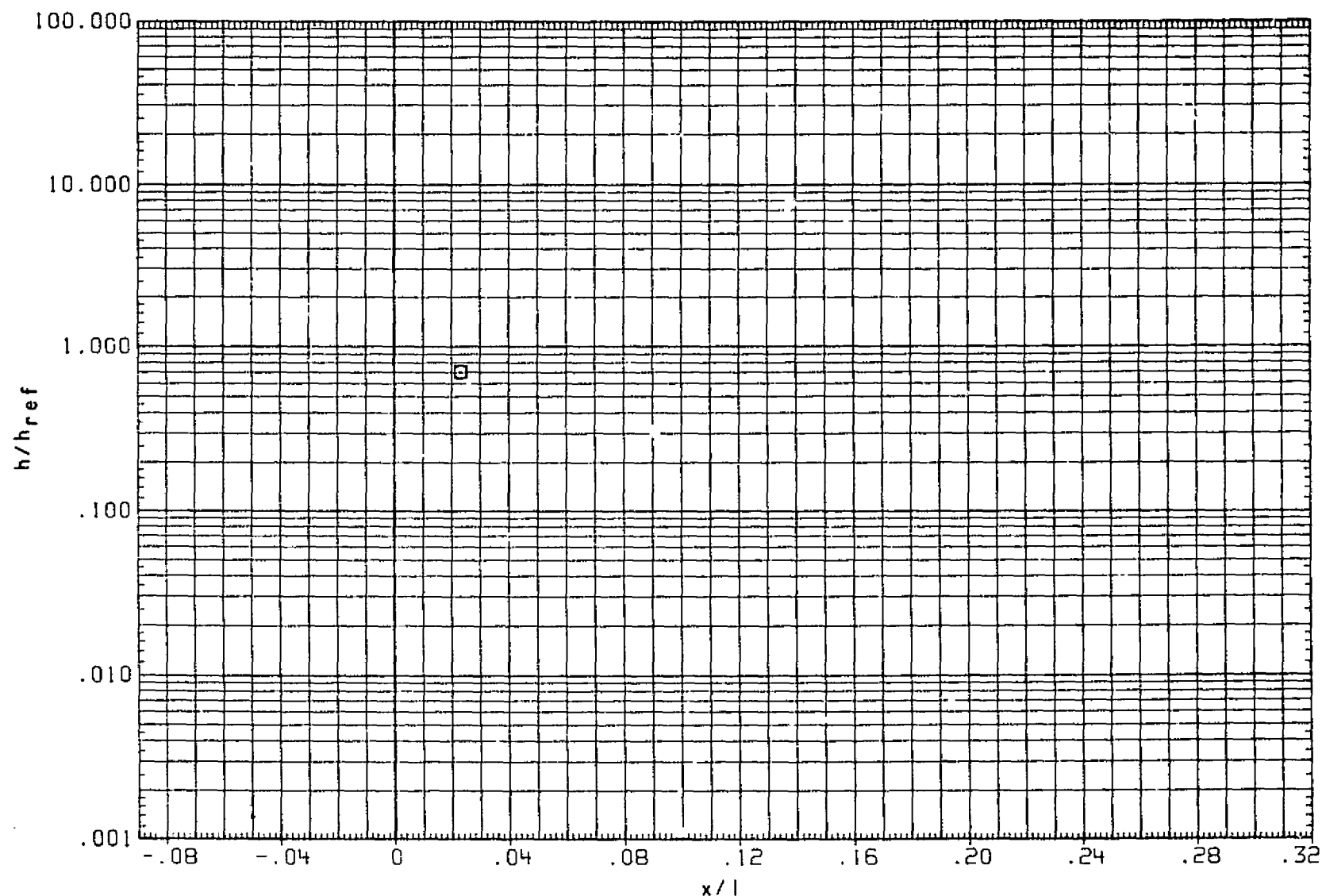


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 45.000

PAGE 1672

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

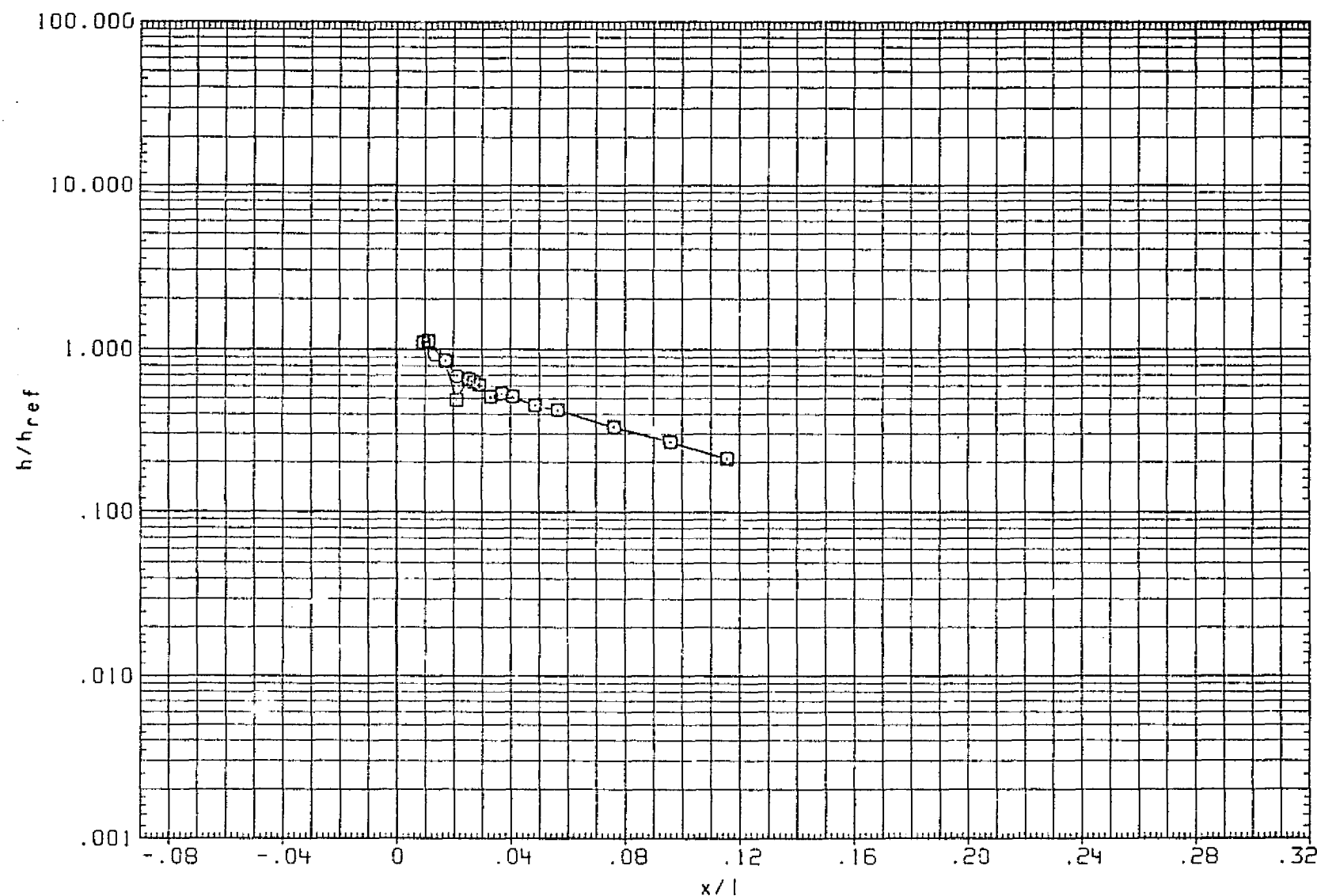


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000  $\tau_{HL} \tau_A = 90.000$

PAGE 1673

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.000	5.000

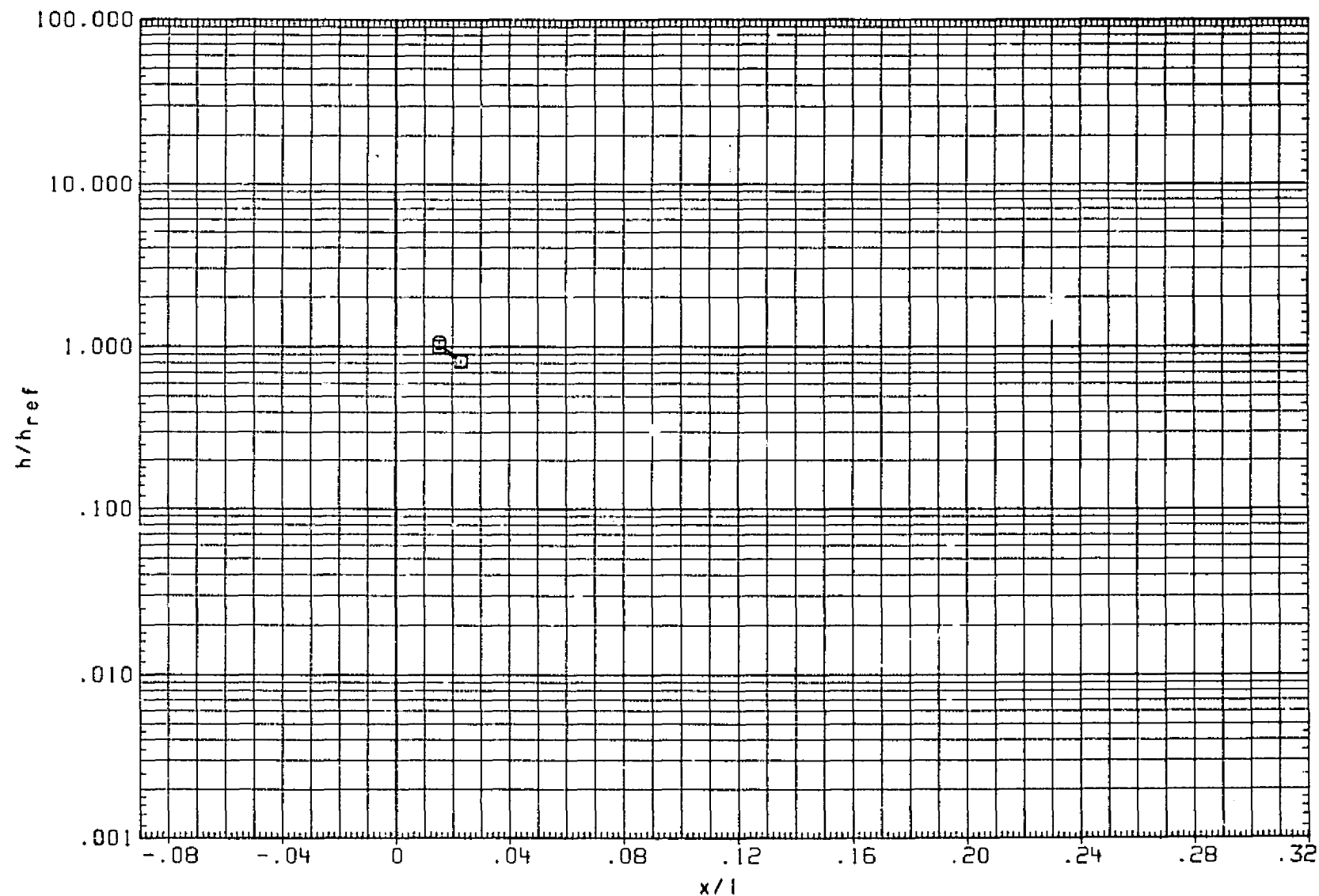


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 135.000

PAGE 1674

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	RN/L
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)	10.000	.000	5.000
(RNTT32)	□	ARC3.5-215(FH14)10/40 C/O ET NOSE-AFTBODY (CLEAN)	10.000	.300	5.000

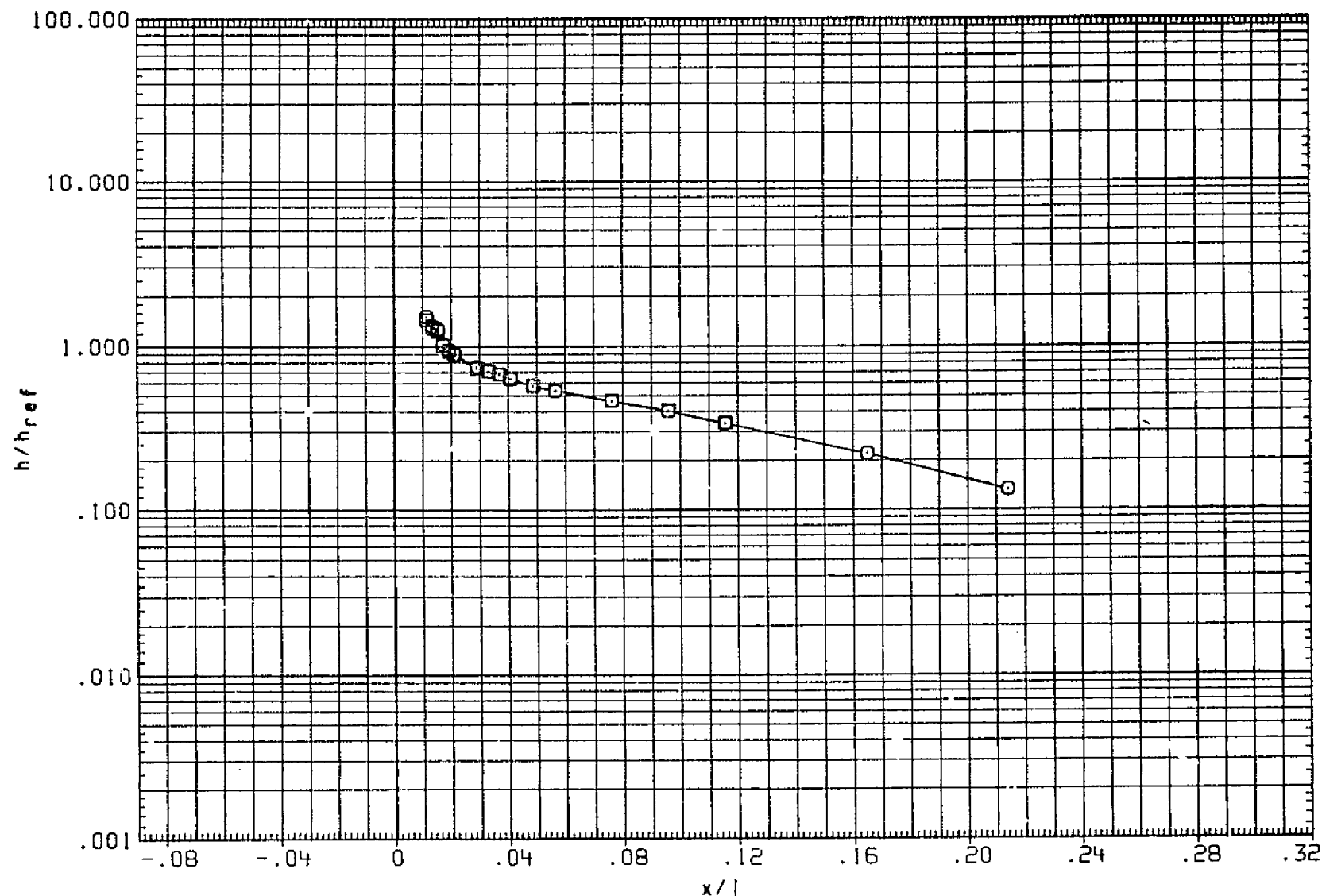


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 180.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(RNTT32)	□	DATA NOT AVAILABLE

ALPHA	BETA	RN/L
10.000	.000	5.000
10.000	.000	5.000

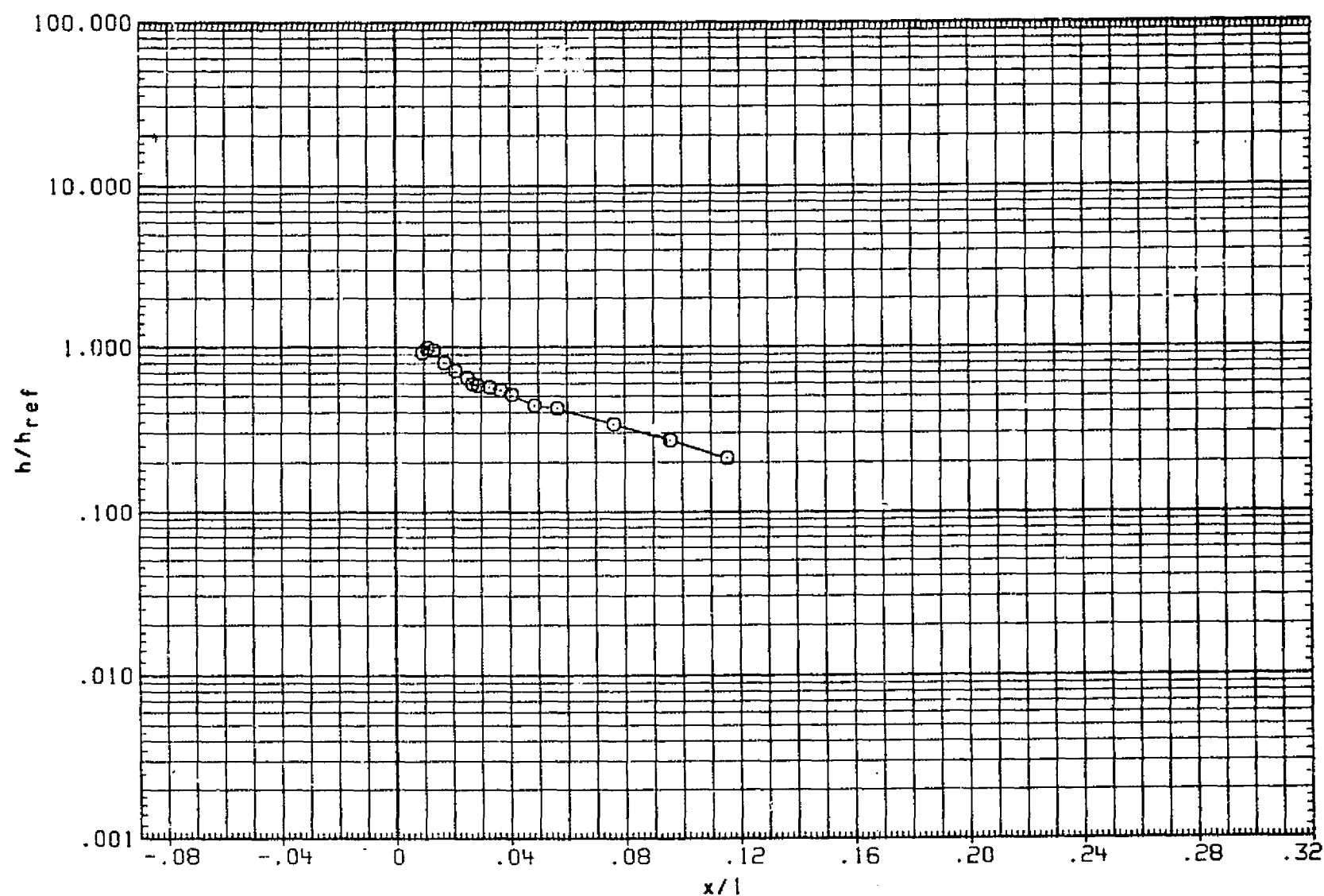


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 270.000

PAGE 1676

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RNTT22)	○	ARC3.5-215(FH14)10/40 CONE/OGIVE ET NOSE (CLEAN)
(RNTT32)	□	DATA NOT AVAILABLE

ALPHA	BETA	RN/L
10.000	.000	5.000
10.000	.000	5.000

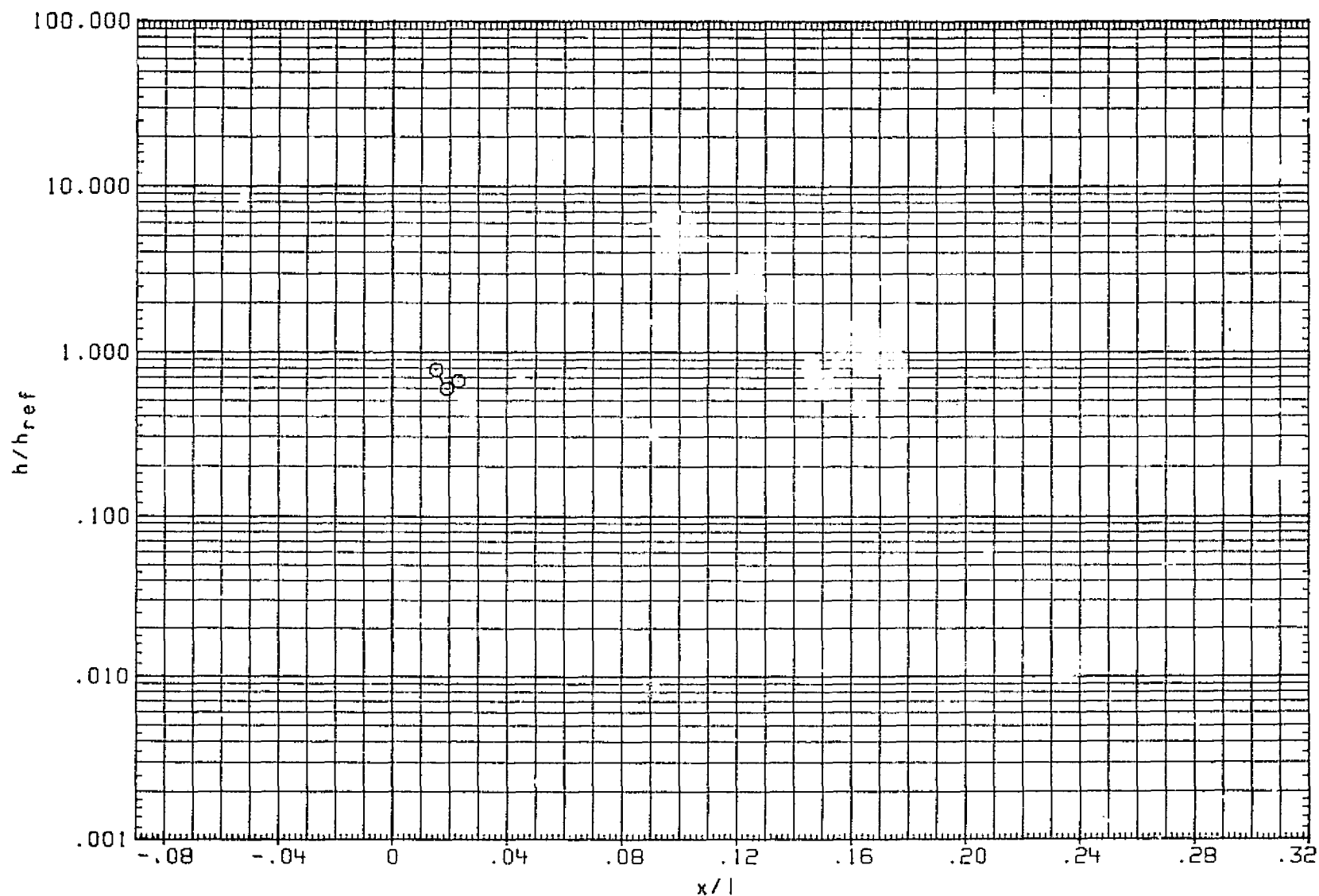


FIG. 21 TANK FOREBODY, EFFECT OF REMOVING AFT SECTION OF BODY

MACH = 5.300 HAW/HT = 1.000 THETA = 315.000

PAGE 1677

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